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Modern Machine Knitting

JANUARY 1993

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Contents

From the Editor

Welcome to the New year! January is one of those months that keeps us indoors. Days are short and evenings are long, so there is no excuse for putting your knitting machines to one side! Now is the time to take the opportunity to get down to all those knitting projects you put off before Christmas because you were too busy! The weather will be turning colder and we have some warm chunky knits in our patterns section to keep out the chill. Wrap up in one of our duffle style jackets or make the most of mohair and knit our exclusive intarsia design with ribbon trims. To brighten up a dull day, there's a super chunky knit in bold citrus patterning – a great sweater for the youngsters. We've some simple stocking stitch too, which beginners will find easy to knit and fashionable to wear.

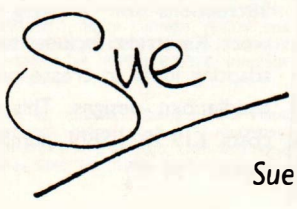
Talking of stocking stitch, turn to Swatch Spot and take a look at some unusual twists and turns. Angie's samples are not difficult to knit but require a little concentration, so set aside an hour or so to try out these effective mock cables and use her ideas to add an original touch to your knitwear.

Fashion trends have encouraged lots of different types of surface decoration including embroidery, but we are not all experts with a needle and thread. There is no need to panic – there is always an alternative solution and Angela will demonstrate an easy technique in Finishing Touch.

If you live in the Cheltenham area don't miss the 'Cotswolds Knitting Fashion & Needlecrafts Exhibition' this month. We have 50 tickets to give away FREE – you'll find details on page 49.

Kamalini's Lace series will keep you on your toes – by now you should be expert at converting those 'Quiz' charts into pattern cards for the machine. So far, we have been printing the answers in the same magazine BUT now that you know what you are doing, we'll test you a little further – you'll have to wait until the next issue to see if your card is correct!

See you then . . .



Sue Watson

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Knitline

We bring you all the latest news on products, services and events from around the country.

Designer styles

Knitwear designer Maggie Andrews produces pattern booklets of her original machine knitwear ideas. Her collection of **'Skirts and Tops'** includes four floral Fair Isle skirts knitted by the shadow pleat technique. Choose from two skirt styles which are full and floaty, almost circular, or opt for smooth and sleek styles to flatter the fuller figure. Designs feature button front openings and are knitted in lightweight Silky and Hobby yarns from Bramwell.

To complement the skirts, Maggie also includes four patterns for unusual tops in tuck lace, shadow lace, release stitch lace and ladder lace. Her book costs £3.95 from machine knitting shops or £4.25 (to include p&p) from her direct. For further information on these and other designs and patterns send a SAE to:

Maggie Andrews, 79 Hookfield, Harlow, Essex CM18 6QQ. Tel: 0279 422994.

Shadow pleat full and floaty style.

Design software

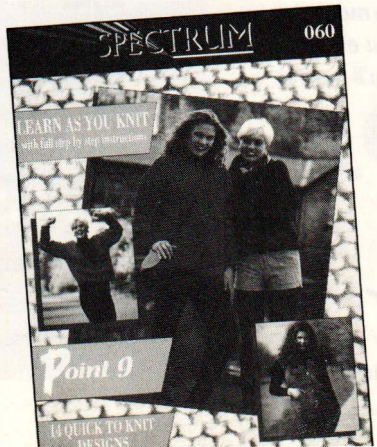
Foxwood Designs have produced a new computer software package for machine knitters. The program is called **'Ingrid'** and it enables knitters/computer owners to use their screen to design creative patterns to knit on their machines. The minimum system requirements are an IBM PC or compatible with 512K memory, Microsoft compatible mouse, MSDOS 3.1, CGA mono monitor (EGA/VGA needed for some features).

The program is simple to install (a comprehensive manual is provided plus back up advice from Foxwood Designs if you run into difficulty!). Once into the program you 'name' your design, decide upon the size of the pattern you wish to create and enter the stitches and rows (there is a maximum of 200 stitches in width by 450 rows). The size can be altered at any time if you wish. The empty design area will then be displayed and the mouse is used to move the cursor around to dot in your pattern. The mouse is also used outside the design area in the 'Option Panel' where you can select a variety of 'cut and paste' and 'paint' options. This means that you can quickly change your design on screen to suit your requirements as you go along. Areas of pattern can be halved, doubled in height or width, rotated, mirrored or reflected at the click of a switch. Design colours can be selected from a palette to suit your yarns and there is a random colour facility for totally unique effects. Automatic colour separation allows for up to eight colours in one row. There is even a feature which checks the length of your floats and a positive/negative switch for tuck or slip patterns! To help you get started, *'Ingrid'* incorporates fourteen demonstration designs which can be used, edited or printed. Designs can be printed out in 24, 30, 40, 60 stitch or no-scale format, making the package suitable for owners of all types of machine, including the latest push button electronics. *'Ingrid'* costs £59.95 to include VAT, carriage and packing from:

Foxwood Designs Ltd, Stream House, Castle Hill, Rotherfield, East Sussex TN6 3RU. Tel: 0825 830388.

Young knitters

Spectrum's new hand knitting pattern book **'Learn As You Knit'** is aimed at young knitters who need easy to knit, fashionable garments with instructions which are written in plain English. There are 14 designs to knit in a variety of sweater, cardigan and jacket styles, all in Spectrum's **'Point 9'**, a new 80% Courtelle/20% wool double chunky yarn which is quick to knit on 8mm needles. There are no confusing abbreviations in the instructions and throughout the pattern book there are plenty of clear illustrations and notes on the basic techniques. All the garments are in stocking stitch or garter stitch, so it is a simple matter of learning the basic knit and purl stitches, casting on and off and some simple shaping. The new double chunky yarn comes on 500g balls in Cream, Black, Red, Royal, Denim and Serpentine. The price is good value at around £8.99 a ball and the yarn is machine washable. The pattern book sells for about £3.49 and is available from Spectrum stockists.



Bookshelf

Several new hard back books for knitting and needlecraft enthusiasts have recently been published by **Anaya.** Here is a brief résumé on four titles from which you might choose to treat yourself (with a little of your Christmas spending money perhaps?)!

'V & A Needlepoint Collection' is a beautifully illustrated book which brings a host of needlepoint designs together for use in the home. The author, Karen Elder, has a background in arts and crafts and is currently Managing Director of The Rowan Stitching Company. She has taken inspiration for the book from the vast collection of textiles and exhibits at the Victoria and Albert Museum in London to produce 23 different designs. Each embroidered canvas is illustrated in full colour and colour charts are provided, with instructions for working each piece. Karen also includes tips for adapting ideas to create original needlepoint designs. This book costs £19.99 (ISBN number 1 85470 124 X).

'The Celtic Collection' by Alice Starmore includes 25 hand knitwear designs based upon Celtic motifs found in manuscripts and stonework. The patterns incorporate Fair Isles, Arans, intarsias and Gansy knitting with a selection of garments for all the family. Each design is graded for the level of knitting skills required. The price is £19.99 – ask for ISBN number 1 85470 118 5.

In support of the World Wide Fund for Nature, designer Stella Edwards has put together a collection of 25 needlepoint designs called **'Wildlife in Needlepoint'** – the designs are inspired by endangered species and royalties from the book will go to the Fund. The designs range from small to large – charts and instructions are backed up by excellent photographs plus pictures from the WWF's archives. Information is provided on the animals, plants and insects featured in the designs. This collection costs £17.99 (ISBN number 1 85470 123 1).

The **'Needlecraft Source Book'** is aimed at all needlecrafts including embroidery, cross stitch and needlepoint. Gail Lawther, the author, has included a wide range of borders and patterns which can be used in many different ways. There are 300 motif designs which take their inspiration from a variety of themes, both abstract and figurative and colour illustrations are included, with trace-offs and charts to facilitate easy copying. This will be a useful book to add to your pattern library and the cost is £15.99 – ask for ISBN number 1 85470 115 0.

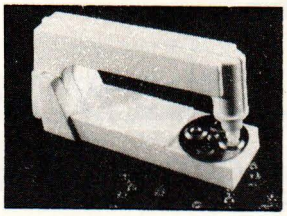
DEBUT FOR NEW BLEND

Wool/Rayon has been a very popular blend of yarn with many well known American knitwear designers. Often known simply as WOOLRAY it is available in the U.S.A. under various trade names with varying proportions of wool and rayon – the two most popular being 70% wool/30% rayon and 80% wool/20% rayon mixes.

'Yarn Country' of California introduced their **'Designer 500'**, an 80% wool/20% rayon yarn, to U.K. knitters and designers at the National Knitting and Needlecraft Exhibition at the N.E.C. last October. The yarn combines resilience and durability with the elegance and drape of rayon to give a fabric with exciting potential. Kamalini Trentham has used this yarn extensively during her years in America and every time she returns on a visit to the U.S.A. she brings back several cones for her own personal use. Many of the original garments in Kamalini's series 'Designed to Fit and Easy to Knit' were knitted in this yarn. Readers will be pleased to know that Machine Knitting and Design Centre are now stocking this yarn in the U.K. Kamalini will also be working with knitters wishing to use this beautiful yarn through pattern support, club visits and workshops, to help them achieve the designer look with this designer yarn. For more information please write to: *Machine Knitting and Design Centre, High Cross House, High Cross, Aldenham, Watford WD2 8BN or telephone 0923 859242.*

SPECIAL OFFER

for MODERN MACHINE KNITTING readers



THE BEDAZZLER

The Rhinestone and Stud Setter, easy to operate, will set rhinestones and studs of a variety of sizes on to your garments very simply. It works like a stapler and with its selection of interchangeable heads it allows you to set studs and stones of different sizes. It normally costs £12.99 for the basic kit. You can then order various studs and stones at approximately £1 per pack.

As a special Christmas offer to MMK readers, we are offering the Bedazzler for £11.99. This includes not only the basic kit but a selection of large and small rhinestones as well as a pack of 50 assorted studs. The Bedazzler comes with full instructions for use, twelve design patterns and a mail order form for more studs and stones. The total price of this package is normally £16.99, MMK readers will therefore save £5 – this is really too good to miss.

SEWING MACHINE

This super hand-held sewing machine is battery operated and makes short work of all those little repairs and sewing jobs. If you own a sewing machine, you will still find this one handy for such things as stitching curtains without taking them down or hemming jeans easily. If you don't own a sewing machine, this one is ideal for all your mending and sewing. The sewing machine uses four AA alkaline batteries which are not supplied but it comes complete with a battery holder, five bobbins, an extra needle, needle threader, seam ripper and extender for larger cotton spools. The price is just £9.99 each including p&p.

To: Turner Promotions, 30 Genesta Road, Westcliff-on-Sea, Essex SS0 8DA.
Telephone: (0702) 354618

Please send me ..... Bedazzler(s) at £11.99
..... Sewing Machine(s) at £9.99.

I enclose cheque/PO (payable to Turner Promotions) for £..... *(sterling cheques only please)*

Name (block capitals).....

Address.....

.....

..... Postcode .....

Please allow 28 days for delivery.
This offer applies to UK only. Overseas enquiries welcome.

Hooded duffle

Keep out the winter chill in this three quarter length ribbed jacket. It is knitted in the duffle style with hood and pockets - and fabric lined for extra warmth. Saddle shoulder detail and wooden toggle fastenings complete the look.

pattern 1

FOR STANDARD GAUGE PUNCHCARD MACHINES WITH A RIBBER

If you don't have a ribber, work in mock rib as page 63.

SIZES

To fit bust 82-87 (92-97, 102-107) cm. 32-34 (36-38, 40-42) in.
Actual size 123 (133, 141) cm, 48½ (52½, 55½) in.
Length to shoulder 69 (71, 73) cm, 27¼ (28, 28¾) in.
Sleeve seam 45 cm, 17¾ in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

MATERIALS

Brockwell's Superfine Botany 4×2/22s.
1,300 (1,400, 1,500)g in Col 230 (MY).
8 horn toggles.
Jersey fabric for pocket linings.

GARMENT WEIGHT

Finished garment in second size weighs 1,400g.
The fibre content of this yarn is 100% Pure New Wool.

TENSION

28 stitches on each bed and 39 rows to 10 cm, 4 in measured over double rib (tension dial approximately 5/5).
For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 63.

If you have any difficulty locating this yarn, please write to the address below for local stockists and mail order information. Please quote this issue of *Modern Machine Knitting*.
Brockwell Yarns. S. & J. Andrews (W.Y.) Ltd., Stansfield Mill, Triangle, Sowerby Bridge, West Yorkshire HX6 3LZ.

BACK

With ribber in position and carriage at left, set machine for double rib. Push 174 (188, 200) Ns on each bed to WP. Using MY, cast on and K 3 circular rows. Carriage is at left. Set carriage for double rib knitting. Set RC at 000. Using MT/MT, K 161 (169, 177) rows. Work measures 41 (43, 45) cm, 16¼ (17, 17¾) in.

Shape Armholes

Cast off 6 sts on each bed at beg of next 2 rows, 3 sts on each bed at beg of next 2 (2, 4) rows and 2 sts on each bed at beg of next 4 (8, 10) rows. Dec 1 st on each bed at each end of next and every foll alt row until 134 (136, 142) sts rem, then on every foll 4th row until 124 (130, 136) sts rem on each end, then on every foll 6th row until 116 (122, 128) sts rem on each end, then on every foll 4th row until 112 (118, 124) sts rem on each bed, then on every foll alt row until 98 (104, 110) sts rem on each bed. Cast off 2 sts on each bed at beg of next 6 rows, 3 sts on each bed at beg of next 2 rows and 4 sts on each bed at beg of next 2 rows. 72 (78, 84) sts rem on each bed. Place marker at each end. Transfer sts to back bed. Cast off.

LOWER FRONTS

With ribber in position and carriage at left, set machine for double rib. Push 87 (94, 100) Ns on both beds to WP for double rib. Using MY, cast on and K 3 circular rows. Carriage is at left. Set carriage for double rib knitting. Set RC at 000. Using MT/MT, K 86 rows. Work measures 22 cm, 8¾ in. Place marker at each end. K 12 rows. Transfer sts for st st. Using MT+5, K 1 row. Cast off.

UPPER RIGHT FRONT

With ribber in position and carriage at left, set machine for double rib. Push 87 (94, 100) Ns on both beds to WP for double rib. Using MY, cast on and K 3 circular rows. Carriage is at left. Set carriage for double rib knitting. Set RC at 000. Using MT/MT, K 12 rows. Place marker at each end. K 75 (83, 91) rows. RC shows 87 (95, 103) and work measures 22 (24, 26) cm, 8¾ (9½, 10¼) in. K 1 row extra for upper left front.

Shape Armhole

Cast off 6 sts on each bed at beg of next row, K 1 row.

1st and 2nd Sizes

Cast off 3 sts on each bed at beg of next row, K 1 row.

3rd Size

Cast off 3 sts on each bed at beg of next and foll alt row, K 1 row.

All Sizes

Cast off 2 sts on each bed at beg of next and foll 1 (3, 4) alt rows, K 1 row. Dec 1 st on each bed at beg of next and every foll alt row until 67 (68, 71) sts rem on each bed, then on every foll 4th row until 62 (65, 68) sts rem on each

Jodhpurs, *Model's own*; Shirt, *Hyper Hyper*; Scarf, *Collier Campbell*; Gloves, *Fenwick*

8 ▶

pattern 1

bed, then on every foll 6th row until 58 (61, 64) sts rem on each bed, then on every foll 4th row until 56 (59, 62) sts rem on each bed, then on every foll alt row until 50 (53, 56) sts rem on each bed.

Shape Neck

Cast off 14 sts on each bed at beg of next row. Dec 1 st on each bed at beg of next row. Cast off 3 sts on each bed at beg of next row and 2 sts on each bed at beg of next 3 rows. Dec 1 st on each bed at beg of next row. Cast off 2 sts on each bed at beg of next row. Dec 1 st on each bed at beg of next row. Cast off 3 sts on each bed at beg of next row. Dec 1 st on each bed at beg of next row. Cast off 4 sts on each bed at beg of next row. 14 (17, 20) sts rem on each bed. Cast off.

UPPER LEFT FRONT

Work as for upper right front, reversing shapings by noting alteration in number of rows worked.

RIGHT SLEEVE

With ribber in position and carriage at left, set machine for double rib. Push 68 Ns on each bed to WP. Using MY, cast on and K 3 circular rows. Carriage is at left. Set carriage for double rib knitting. Set RC at 000. Using MT/MT, shape sides by inc 1 st on each bed at each end of every 3rd row until there are 180 sts on each bed. K 8 rows. RC shows 176. Work measures 45 cm, 17¾ in.

Shape Top

Cast off 6 sts on each bed at beg of next 2 rows. Dec 1 st on each bed at each end of every alt row until 162 (152, 144) sts rem on each bed. Cast off 2 sts on each bed at beg of next 12 (10, 6) rows, 3 sts on each bed at beg of next 4 (2, 2) rows, 5 sts on each bed at beg of next 10 rows, 4 sts on each bed at beg of next 4 rows, 3 sts on each bed at beg of next 4 rows and 2 sts on each bed at beg of next 4 rows. Dec 1 st on each bed at each end of every foll alt row until 32 sts rem on each bed, then on every foll 4th row until 28 sts rem on each bed. K 20 (24, 28) rows. K 1 row extra for left sleeve. Cast off 14 sts on each bed at beg of next row, K 1 row. Cast off 3 sts on each bed at beg of next row, K 1 row. Cast off 2 sts on each bed at beg of next row, K 1 row. Dec 1 st on each bed at beg of next row. 8 sts rem on each bed. K 24 rows. Cast off.

LEFT SLEEVE

Work as for right sleeve, reversing shapings by noting alteration in number of rows worked.

RIGHT SIDE OF HOOD

With ribber in position and carriage at left, set machine for double rib. Push 49 Ns on both beds to WP for double rib. Using MY, cast on and K 3 circular rows. Carriage is at left. Set carriage for double rib knitting. Set RC at 000. Using MT/MT, K 94 rows *. ** Place marker at right edge. Dec 1 st on each bed at right edge of next and foll 6th row, K 3 rows. Dec 1 st on each bed at right edge of next and every foll 4th row until 44 sts rem on each bed, then on every foll alt row until 40 sts rem on each bed. RC shows 121. Place marker at right edge. Cast off **.

LEFT SIDE OF HOOD

Work as for right side of hood to *, then from ** to ** reading left for right.

HOOD GUSSET

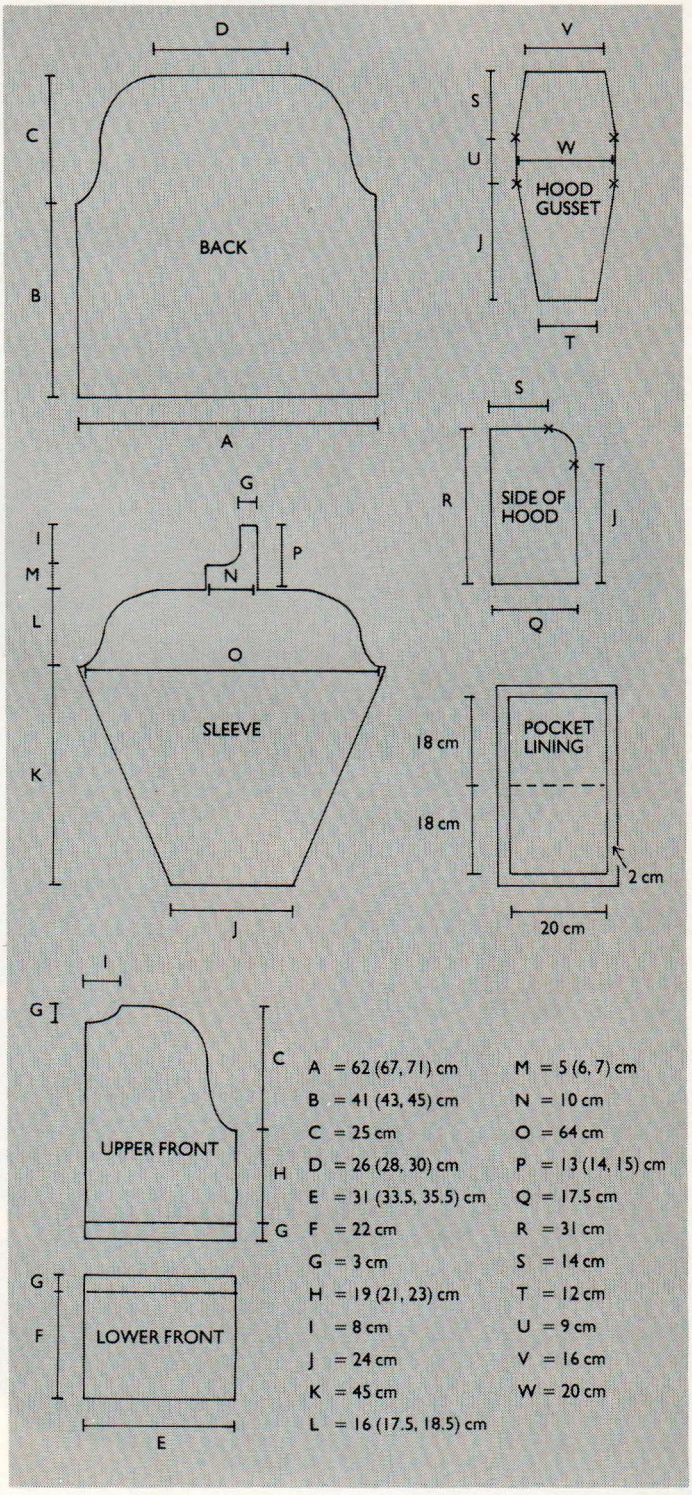
With ribber in position and carriage at left, set machine for double rib. Push 34 Ns on both beds to WP for double rib. Using MY, cast on and K 3 circular rows. Carriage is at left. Set carriage for double rib knitting. Set RC at 000. Using MT/MT, shape sides by inc 1 st on each bed at each end of every 8th row until there are 56 sts on each bed. K 6 rows. RC shows 94. Place marker at each end. K 35 rows. Place marker at each end. Shape sides by dec 1 st on each bed at each end of every 10th row until 46 sts rem on each bed. K 5 rows. RC shows 184. Cast off.

FRONT AND HOOD BAND

With ribber in position and carriage at left, set machine for double rib. Push 10 Ns on both beds to WP for double rib. Using MY, cast on and K 3 circular rows. Carriage is at left. Set carriage for double rib knitting. Set RC at 000. Using MT/MT, K 694 (708, 722) rows. Cast off.

MAKING UP

Fold top 3 cm of lower front to inside and catch down. Lap lower front on to upper fronts to markers and join 5.5 (6.75, 8) cm, 2¼ (2¾, 3¼) in from each edge. Cut 2 pocket linings from jersey fabric as illustrated, plus 2 cm, ¾ in seam allowance all round. Fold linings in half and join side seams. Sew pocket linings to pocket openings. Set in sleeves, sewing sleeve extensions into position. Join side and sleeve seams. Join hood gusset to left and right sides of hood matching markers. Join hood to neck edge. Sew front and hood band into position. Using horn toggles, attach using twisted lengths of MY to form loops and frogs as shown in photograph.



The language of lace

Part 4 *by Kamalini Trentham*

The Silver Reed lace transfer carriage can be used to produce a wide variety of lace fabrics, from very simple transfer patterns to more intricate and complicated multi-transfer designs. Learn more about this accessory and how to translate the lace charts.

Most of the Fashion Lace patterns we have looked at in Part 3 of this series were single transfer row repeats. Once the stitches were transferred, two or more rows (usually multiples of two for convenience) of stocking stitch were knitted. We now look at patterns that involve more than one transfer row to produce the repeats. Each pattern row must have all the stitches transferred to the correct needles before being knitted. The number of transfers may be the same or different and will vary according to the pattern.

SAMPLE 1

Here we have an example of a 4 row repeat pattern which has 2 transfer rows and 2 plain rows. The lace carriage is moved six times for each of the transfer rows. Note how the lace carriage is 'free' moved to the left for the first, third and fifth lace rows to enable the transfers to be made from the left for the first pattern row. To enable all the transfers to be made from the right for the second pattern row, the lace carriage is 'free' moved on the second, fourth and sixth lace rows.

SAMPLE 2

This pattern, like Sample 1, is a 4 row repeat but is different in that each row requires transfers to be made in both directions. The number of transfers in each row is, however, the same as in Sample 1 i.e. 8 transfer rows on 'P' followed by 2 knit rows on '0'. Note the stitch that forms the faggoting in the square mesh.

As you begin to understand the process of translation you may sometimes find you are able to economise on the number of transfer rows. For example, in the card for Sample 2, stitch 11 could be transferrred to 10 on either transfer row 1, 3 or 5 instead of 7, as it is a transfer that is independent, unlike the transfer of stitch 7 to stitch 6, which can only happen after stitch 6 has been moved to stitch 5. Card 2B shows the pattern re-done for Sample 2 in a more economical way. Note that there are only 4 transfer rows instead of 8. This speeds up the knitting considerably.

SAMPLE 3

This pattern is a 10 row repeat with 5 transfer rows. A glance at the pattern chart shows that each of the 5 rows has a different number of transfers. The card reflects this in the number of transfer rows at 'P' for each of the pattern rows, starting with 2 transfer rows for the first pattern row, to 10 transfer rows for the fifth pattern row.

When knitting patterns like Samples 1 and 2, it is easy to commit the sequence of transfer and knit rows to memory (for example, 6 rows at 'P' and 2 rows at '0' for Sample 1 or 4 rows at 'P' and 2 rows at '0' for Sample 2 is easy to remember), but for a pattern like Sample 3 it is best to mark the card.

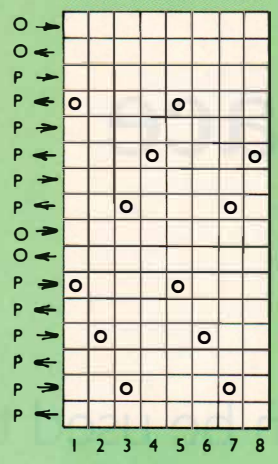
Increasing or decreasing the number of stocking stitch rows between the transfer rows can dramatically alter a pattern. Try knitting a condensed version of Sample 1 from Part 3 by reducing the number of knit rows to two. Punchcard machine owners will need to punch a new card, eliminating the knit rows. Electronic machine knitters can simply mark the card to return it to the new position.

THIS MONTH'S TEST

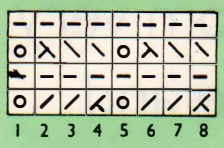
Sample 4 is our Quiz Pattern this month. Not all lace patterns look right when knitted sideways but this one looks attractive either way. Can you turn the chart into a card? You'll find the solution in next month's *Modern Machine Knitting!*

Next month we will experiment a little further and find out how to use a single knit row between transfers to create unusual lace fabrics with the characteristics of hand knitted lace!

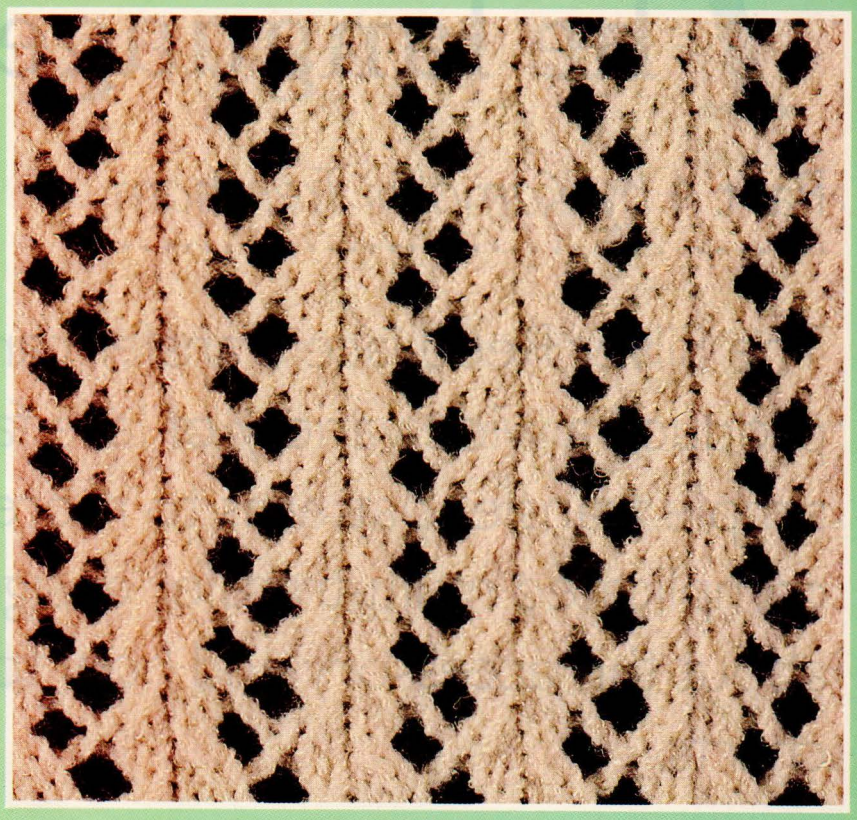
10 ▶



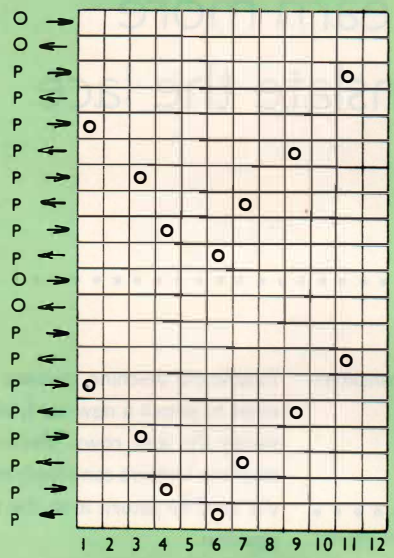
Pattern Card for Sample 1
Pattern repeat 4 sts and 4 knitted rows
(6 transfer rows followed by 2 knit rows)



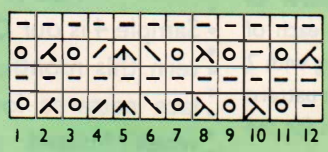
Pattern Chart for Sample 1
Pattern repeat 4 sts and 4 rows



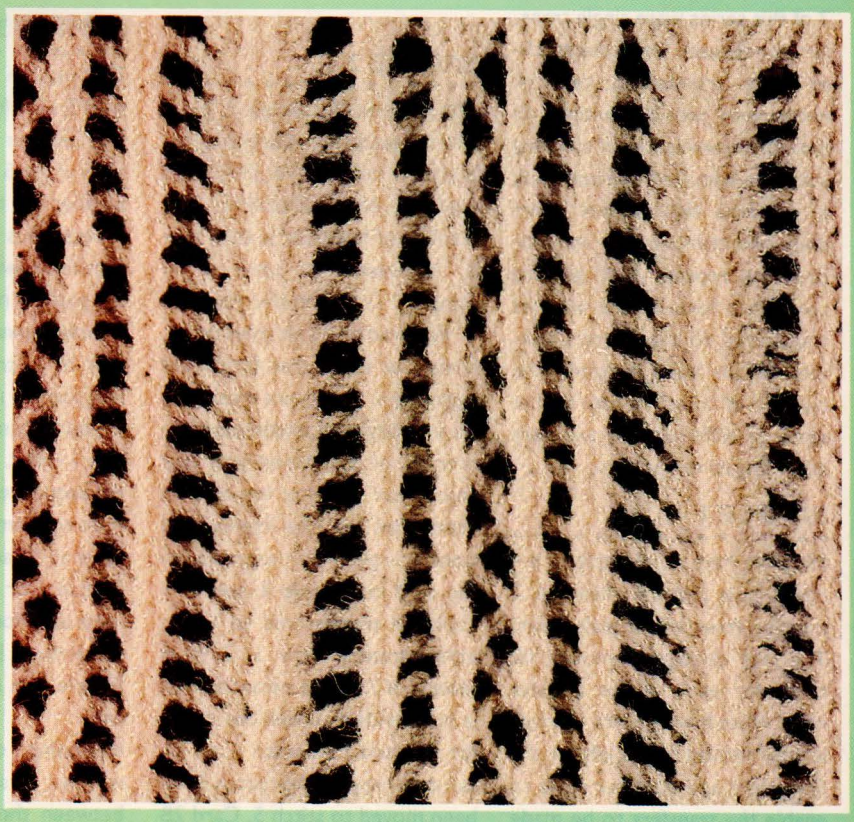
SAMPLE 1



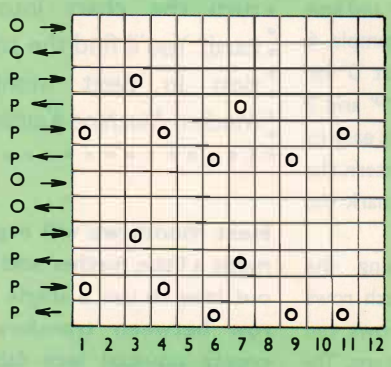
Pattern Card for Sample 2
Pattern repeat 12 sts and 2 knitted rows
(8 transfer rows followed by 2 knit rows)



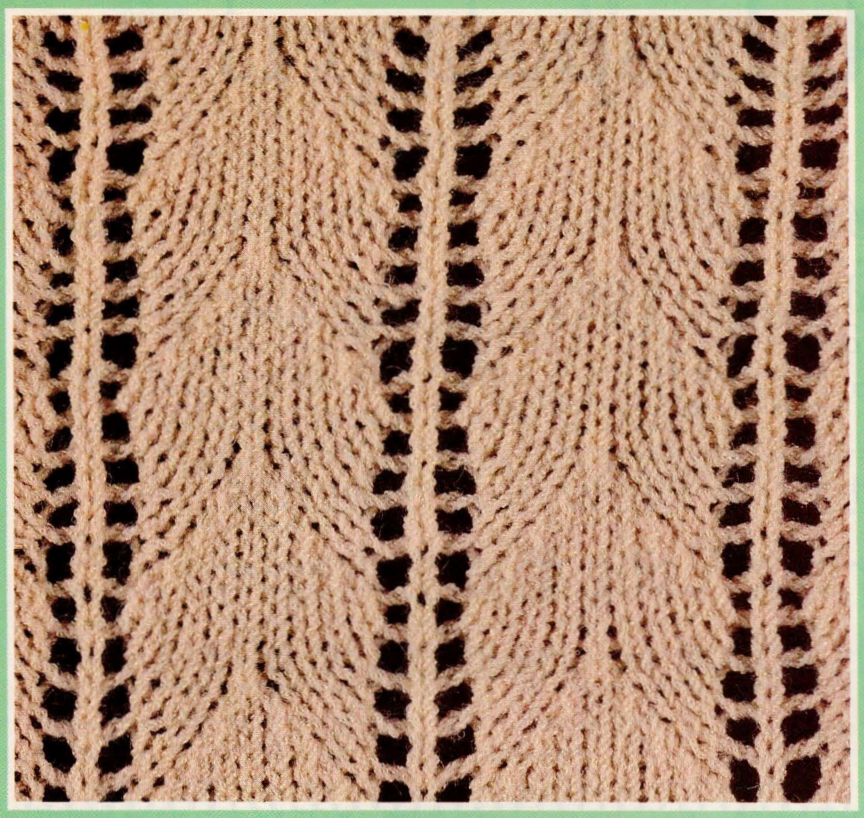
Pattern Chart for Sample 2
Pattern repeat 12 sts and 4 rows



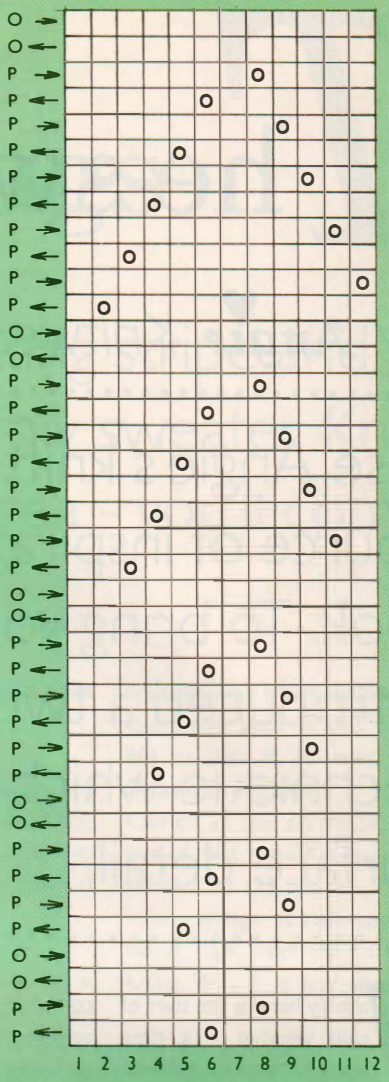
SAMPLE 2



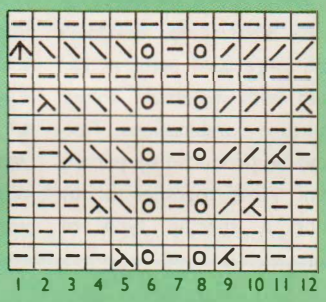
Pattern Card 2B for Sample 2
Pattern repeat 12 sts and 2 knitted rows
(4 transfer rows followed by 2 knit rows)



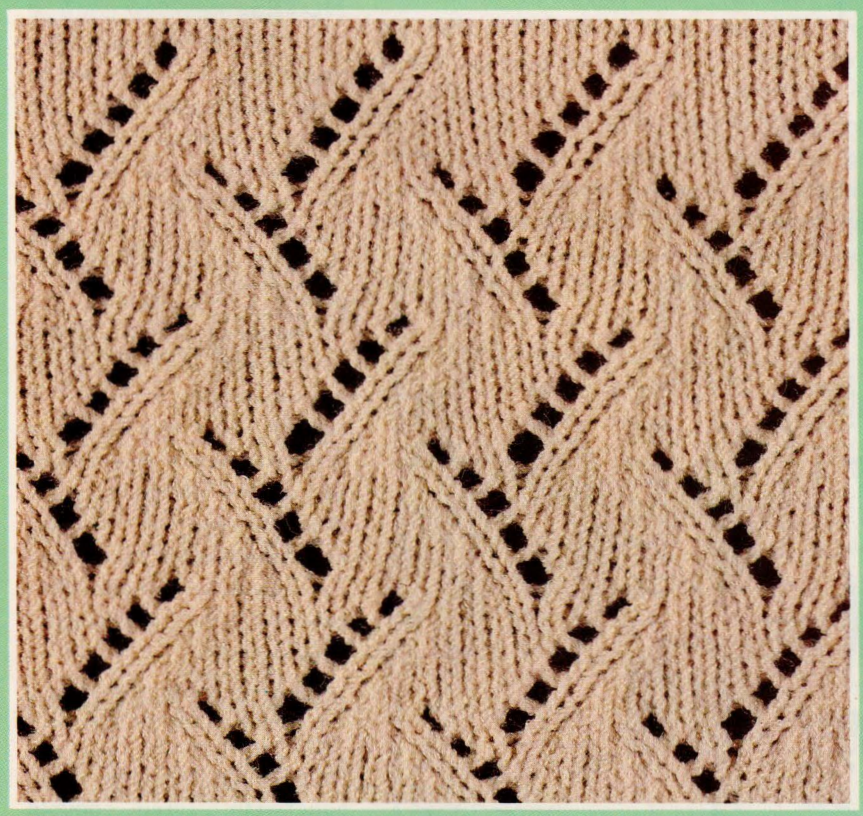
SAMPLE 3



Pattern Card for Sample 3

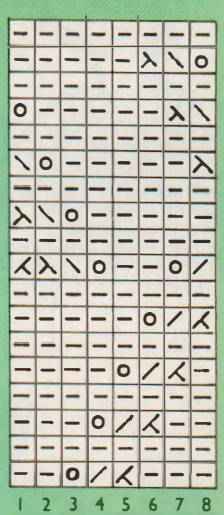


Pattern Chart for Sample 3
Pattern repeat 12 sts and 10 rows



QUIZ PATTERN
SAMPLE 4

Quiz Pattern Chart
Pattern repeat
8 sts and 18 rows



The swatch spot

by **Angie** *Knitwear by Design*

Use Angie's knitted fabrics and design ideas as a source of inspiration for creating your own individual look. To bring you into the New Year she has introduced a twist or two using a very simple technique which adds some unusual cable effect surface detail.

January heralds the start of cold weather – a time when most of us dive into our wardrobes and bring out the winter woolies. Big jumpers are warm, comfortable and versatile. They are exciting for designers because large bold patterns can be used with maximum colour and texture combinations. Texture can be produced by putting different yarns together or by choosing a specific type or combination of stitches to achieve the required effect. Large spaces lend themselves to the use of Aran stitches, especially cables. With big winter woolies in mind, I set about designing swatches using cables that work on a large scale. The samples are knitted in a 4 ply equivalent yarn, resulting in a light but warm fabric. A thicker yarn could be used and these designs could certainly be worked on a chunky machine. I have worked the cables in stockinet, using colour for emphasis. If you wish for more interest, I would suggest working the cables in pattern or tuck stitch. Bold stripes or chequers would be stunning in black and white. Try using the purl side of the work or a Fair Isle punchcard for either the cables or the background. Experiment with textured yarns and colour mixes. The cables are built up on a base and are quite time-consuming to knit and finish. However, I feel the result fully justifies the length of time spent. I do advise hand finishing for a professional result.

NOTES

When holding position (HP) is used, the use of weights will be important. Place a weight at each end of the work and move them up constantly as you knit. Make sure the stitches in holding position are also weighted. Keep an eye on the needles in holding position. Odd needles can accidentally get pushed back into working position (WP), particularly those nearest to the work in progress. Use a 4 ply waste yarn (WY) as a thin yarn will break and the stitches will be dropped. Work increases fully fashioned, using a single-ended transfer tool. For decreases, work fully fashioned with a double-ended transfer tool.

FABRIC INSTRUCTIONS

Yarns Used:

Forsell 2 ply Pure New Wool Superwash (used double stranded)

Col 1 – Old Gold (47)

Col 2 – Moss (64)

Col 3 – Russet (50)

SWATCH 1

(For all Standard Gauge Machines)

Push 45 Ns at left and right of centre 0 to WP (90 Ns).

Set carriage for stockinet.

Using Col 1, cast on and knit 30 rows. Set carriage for holding position (HP). Following Chart 1, push Ns in sections A, C and D to HP.

++ With WY in feeder 1 only, knit 4 rows.++

Push section B Ns to HP. Push section A Ns to WP. Repeat from ++ to ++.

Push section A Ns to HP. Push section C Ns to WP. Repeat from ++ to ++.

Push section C Ns to HP. Push section D Ns to WP. Repeat from ++ to ++.

Push section D Ns to HP. Push section B Ns to WP. Remove WY.

SECTION B

With Col 1 in feeder 1 only, knit 26 rows. Place marker at right side. Knit 14 rows.

* Dec 1 st at each end of section B. Knit 2 rows. * Repeat from * to * until 10 sts rem. Knit 14 rows.

** Inc 1 st at each end of section B. Knit 2 rows. ** Repeat from ** to ** until there are 20 sts in section B. Knit 14 rows. Place a marker at right side. Knit 26 rows.

With WY in feeder 1, knit 4 rows.

Transfer sts to stitch holder. Push empty Ns to NWP.

SECTION C

Push section C Ns to WP. Remove WY.

With Col 1 in feeder 1, work as for section B, placing markers on left side.

SECTION E

Push sections B and C Ns to WP. From wrong side of work, pick up loops across dividing line of cables (marked section E on chart).

With Col 2 in feeder 1, knit 90 rows.

With WY in feeder 1, knit 4 rows.

Place sts on to a stitch holder. Push sections B and C empty Ns to NWP.

SECTION A

Push section A Ns to WP. Remove WY.

With Col 1 in feeder 1, knit 18 rows.

CABLE TWIST

Make sure that both sections B and C of cable have right sides facing the same way. To interlock the two sections, refer to Chart 1. Secure the twist with a safety pin. As markers are matched to sections A and D, make sure that the wrong side of the cable is facing you.

Take one edge stitch from below the bottom right marker and *** place on to N nearest to cable. Knit 2 rows. *** Repeat from *** to ***. Knit 40 rows.

Work top right marker as for bottom marker. Knit 24 rows.

Push section B Ns to WP. Keeping cable with wrong side facing, place section B sts on to Ns.

With WY in feeder 1, knit 4 rows across sections A and B Ns. Push sections A and B Ns to HP.

SECTION D

Push section D Ns to WP. Remove WY.

Work as for section A, but matching left markers. DO NOT knit 4 rows of WY.

With wrong side of section E facing you, place sts (removing WY as you work) on to Ns of sections B and C.

Cancel hold setting. Push all Ns to UWP.

With Col 1 in feeder 1, knit 30 rows. Cast off.

Give swatch a light steam on wrong side. On right side, using Col 1, mattress stitch section E to sections A and D.

Using Col 1, catch approximately half an inch (1.5cm) of cable to sections A and D at marker points.

Sew in all loose ends. Remove safety pins and marker threads. Give final steam on right side but do not let the iron touch the swatch.

SWATCH 2

(For all Standard Gauge Machines)

HALF CABLE PATTERN

Push 10 Ns at right of centre 0 to WP. Using Col 1, work an e-wrap cast on. Set carriage for stockinet.

With Col 1 in feeder 1 only, knit 30 rows.

+ * Dec 1 st at each end. Knit 2 rows. * Repeat from * to * once. Knit 2 rows.

** Inc 1 st at each end. Knit 2 rows. ** Repeat from ** to ** once. +

Knit 40 rows. Repeat from + to + once.

Knit another 40 rows. Repeat from + to + once.

Knit 30 rows.

With WY in feeder 1, knit 4 rows. Remove cable from needle bed.

Using Col 1, work half cable pattern once more.

Using Col 3, work half cable pattern twice.

Refer to Chart 2 and place cable sections back on to needle bed with right side facing you.

Push 45 Ns at left and right of centre 0 to WP. Set carriage for stockinet.

With Col 2 in feeder 1, cast on and knit 160 rows, AT THE SAME TIME placing markers every 20 rows as indicated on Chart 2.

After placing markers on the last row, cast off.

Give main knitting a light steam on wrong side.

The cables will be joined to the bottom of the main knitting. Now, working following the Chart, work the cable twists as shown. Hold the twists in position with safety pins. Pin cables into place as indicated at the top of the Chart. Using matching yarn and working from right side of the work, sew outside edges of the cables into place. Sew in all loose ends.

Remove safety pins and marker threads. Give swatch a final light steam.

SWATCH 3

(For all Standard Gauge Machines)

Push 45 Ns at left and right of

14 ►

CHART 1

Wrong side as facing from needlebed

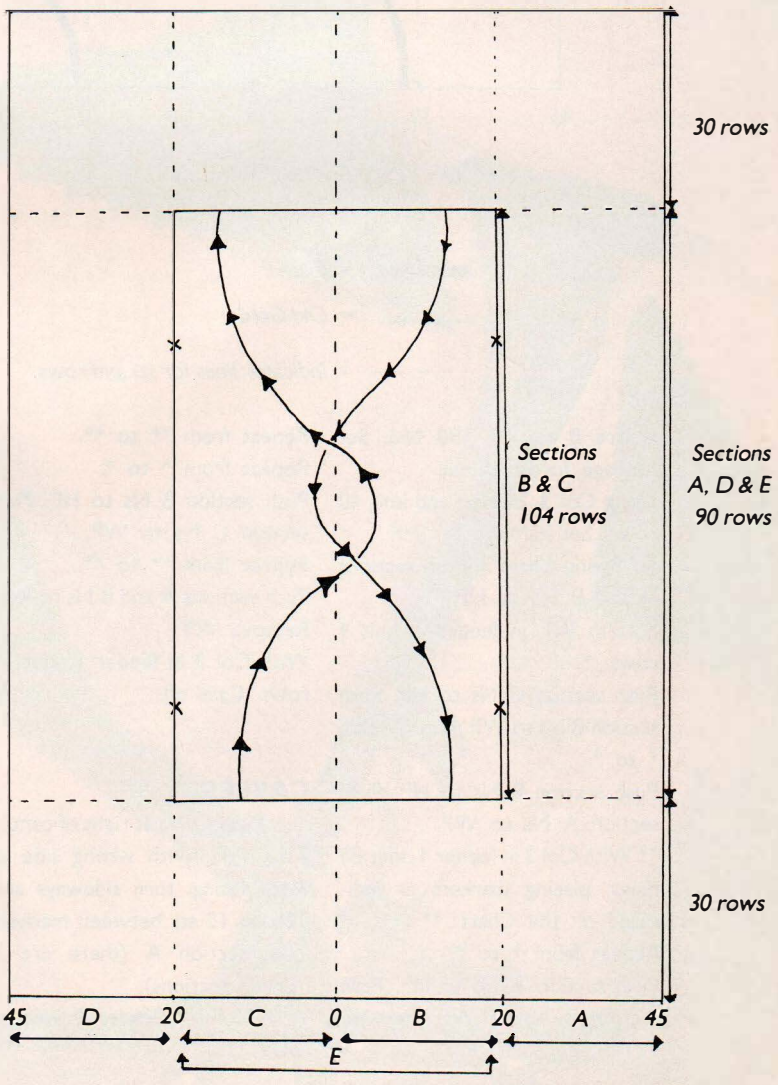
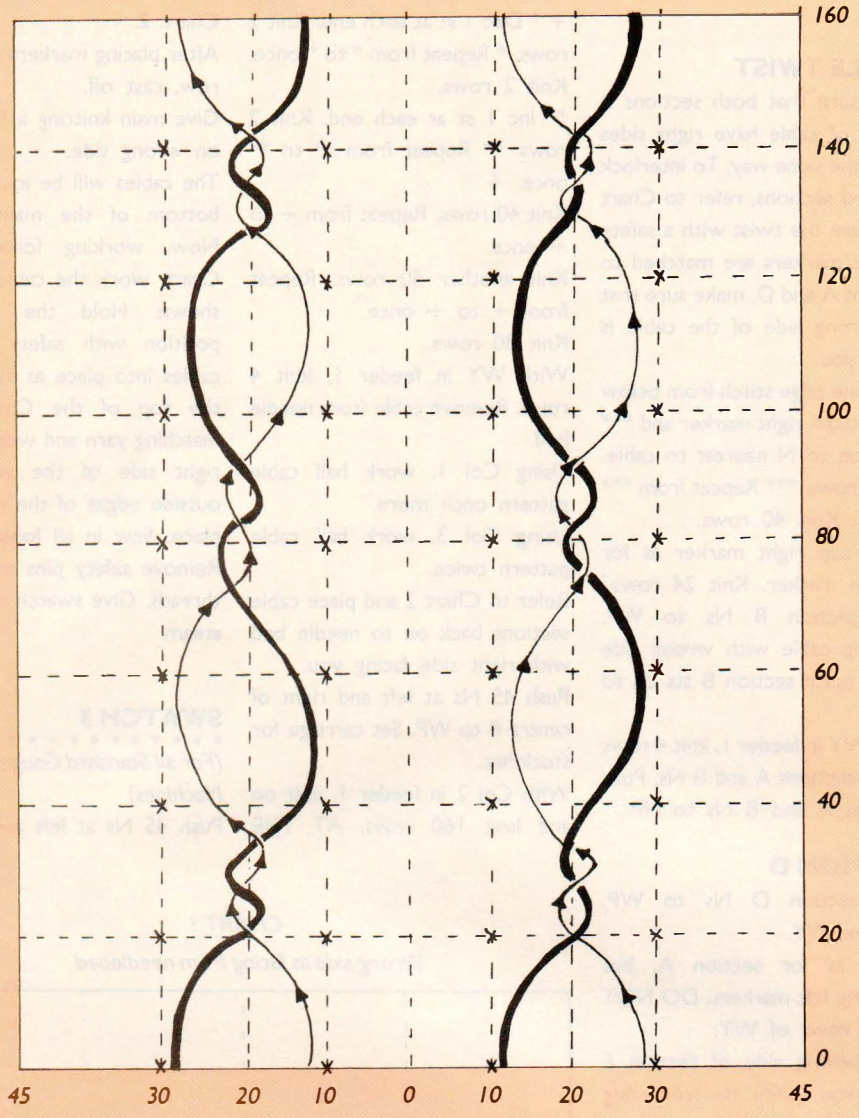


CHART 2

Right side as facing for sewing cables



KEY TO CHARTS

× = *Marker positions*

= *Russet*

= *Old Gold*

= *Indicator lines for sts and rows*

centre 0 to WP (90 Ns). Set carriage for stockinet.
Using Col 3, cast on and knit 40 rows. Set carriage for HP.
Following Chart 3, push sections A and B Ns to HP.
* With WY in feeder 1, knit 4 rows. *
Push section C Ns to HP. Push section B Ns to WP. Repeat from * to *.
Push section B Ns to HP. Push section A Ns to WP.
** With Col 3 in feeder 1, knit 80 rows, placing markers as indicated on the Chart. **
Repeat from * to *.
Push section A Ns to HP. Push section B Ns to WP. Remove WY.
Repeat from ** to **.
Repeat from * to *.
Push section B Ns to HP. Push section C Ns to WP.
Repeat from ** to **.
Push sections A and B Ns to WP.
Remove WY.
With Col 3 in feeder 1, knit 40 rows. Cast off.

CABLES

++ Push 12 Ns at right of centre 0 to WP. With wrong side of work facing, turn sideways and pick up 12 sts between markers from section A (there are 4 marker sections).
With Col 1 in feeder 1, knit 18 rows.
Dec 1 st at each end of row. Knit 2 rows. Repeat this dec once more.
Knit 2 rows.
Inc 1 st at each end of row. Knit 2 rows. Repeat this inc once more.
Knit 18 rows. Cast off. ++
Repeat from ++ to ++ three more times, between remaining markers on section A.

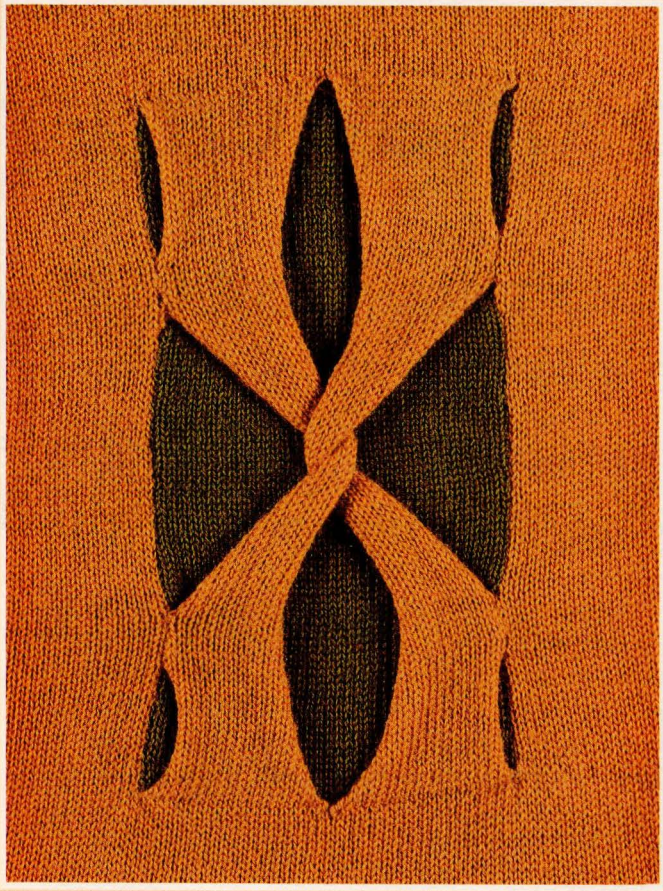
Twist the cables as indicated on the chart. Secure with safety pins.

LINKING TOGETHER

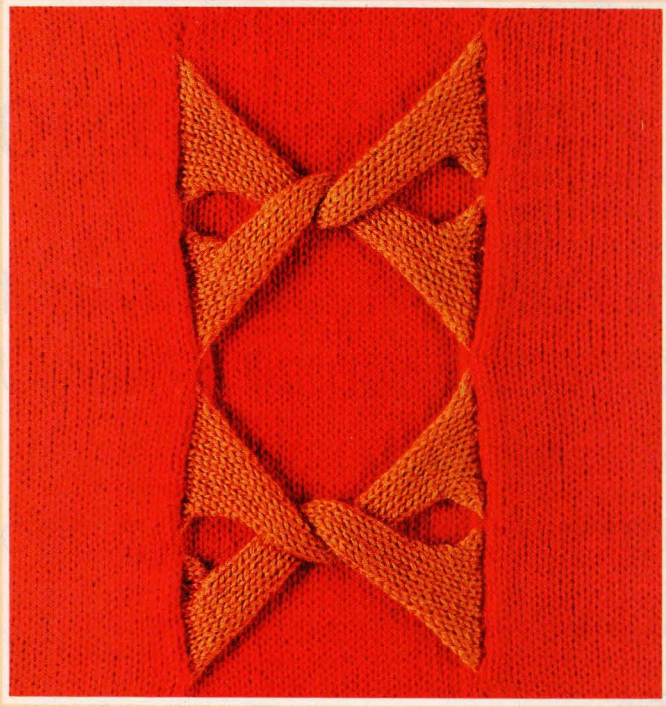
Push 24 Ns at left and right of centre 0 to WP (48 Ns). Turn work sideways with section A at bottom and right side facing. Fold work along slit between sections A and B so that wrong side of section A and right side of sections B and C are facing you. Hook up 48 sts across the slit edge of section B, using markers (12 sts between each marker). Now hook up 48 sts from the edge of section A, which includes the fixed edges of the cables. Push Ns to UWP. Knit 1 row. Cast off.
Fold work along slit between sections B and C. With wrong sides of sections A and B and right side of section C facing you, hook up section C edge using markers as above. Make sure the cables are lying flat with right side showing on the swatch. Hook up loose cable ends between markers. Now hook up the edge of section B using markers. Push Ns to UWP. Knit 1 row. Cast off.
If the link row is too loose, you may need to hand finish the linked edges.
Neaten ends of linked edges. Sew in all loose ends. Remove safety pins and marker threads. Give swatch a final light steam.

Angie is available to give talks to knitting clubs. For more information please telephone her on 0293 523805.

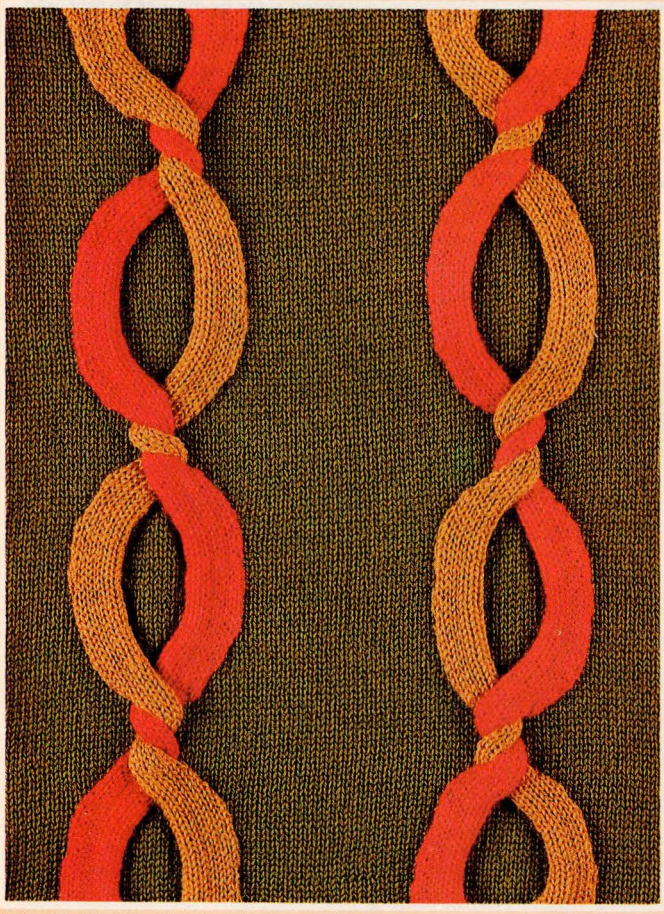
Many of you who have attended one of Angie's knitting club talks will have already had the pleasure of seeing for yourselves, some of her lovely garment designs which feature variations of this three dimensional technique. It was during her role as Head of Knitwear at John Galliano that she perfected this type of stitch manipulation – the ideas you see here should provide plenty of inspiration for you to try out variations of your own!



SWATCH 1

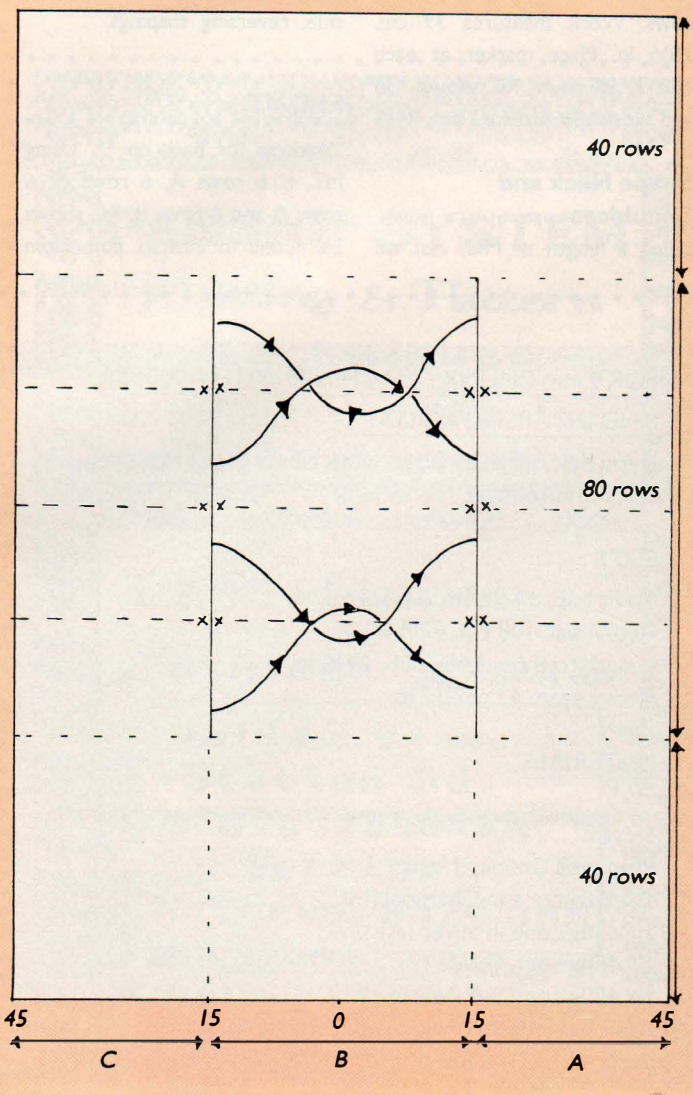


SWATCH 3



SWATCH 2

CHART 3
Wrong side as facing from needlebed



Intarsia mohair sweater

Mohair is the perfect yarn for warmth and comfort without weight and bulk. Use it for a real fashion sweater with intarsia front in a mixture of subtle and soft colours. Narrow ribbons are used to outline the design.

BACK

With carriage at right and using MC, cast on 86 sts at centre in 1×1 rib. * K 3 tubular rows. Carriage is at right. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT–5/MT–5, K 16 rows. Transfer sts for st st *. Set RC at 000 **. Using MT, K 80 rows. Work measures 39 cm, 15½ in. Place marker at each end. K 56 rows. RC shows 136 and work measures 63 cm, 24¾ in.

Shape Neck and Shoulders

Using a length of MC, cast off centre 22 sts and push 32 Ns at left to HP. Cont on rem sts for first side. Cast off 10 sts at beg of next row. Dec 1 st at beg of next row. Cast off 10 sts at beg of next row, K 1 row. Cast off rem 11 sts. With carriage at left, push rem Ns from HP to UWP and finish to correspond with first side, reversing shapings.

FRONT

Work as for back to **. Using MT, K 6 rows A, 6 rows C, 6 rows A and 6 rows B. RC shows 24. Cont in intarsia patt from chart. K 56 rows. RC shows 80 and work measures 39 cm, 15½ in. Place marker at each end. K 38 rows.

Shape Neck

Using a length of C, cast off centre 12 sts and push 37 Ns at left to HP. Cont on rem sts for first side. K 1 row. Cast off 3 sts at beg of next row, K 1 row. Dec 1 st at beg of next and every foll alt row until 31 st rem. K 10 rows.

Shape Shoulder

Cast off 10 sts at beg of next and foll alt row, K 1 row. Cast off rem 11 sts. With carriage at left, push rem Ns from HP to UWP and finish to correspond with first side, reversing shapings.

SLEEVES

With carriage at right and using MC, cast on 47 sts at centre in 1×1 rib. Work as for back from * to *. Set RC at 000. Using MT, shape sides by inc 1 st at each end of every 6th row until there are 75 sts. K 6 rows. RC shows 90 and work measures 43 cm, 17 in. Cast off.

pattern 2

FOR 9 mm CHUNKY MACHINES WITH A RIBBER AND INTARSIA FACILITY

If you don't have a ribber, work ribs in mock rib as page 63 or knit by hand.

SIZES

To fit bust 87-92 cm, 34-36 in.
Actual size 108 cm, 42½ in.
Length to shoulder 63 cm, 24¾ in.
Sleeve seam 43 cm, 17 in.

MATERIALS

Bramwell Chunky Mohair
1×450g cone in Charcoal (MC).
1×450g cone in Silver (A).
1×450g cone in Jade (B).
1×450g cone in Kingfisher (C).
Assorted lengths of narrow faced satin ribbon for decoration if required.

GARMENT WEIGHT

Finished garment weighs 420g.
The fibre content of this yarn is 78% Mohair, 13% Wool, 9% Nylon.

TENSION

15.5 stitches and 23.5 rows to 10 cm, 4 in measured over stocking stitch and intarsia (tension dial approximately 4). For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 63.

KNITTING NOTES

We used purl side of knitting as right side of garment. Always twist yarns together when changing colours in intarsia to prevent a hole forming.

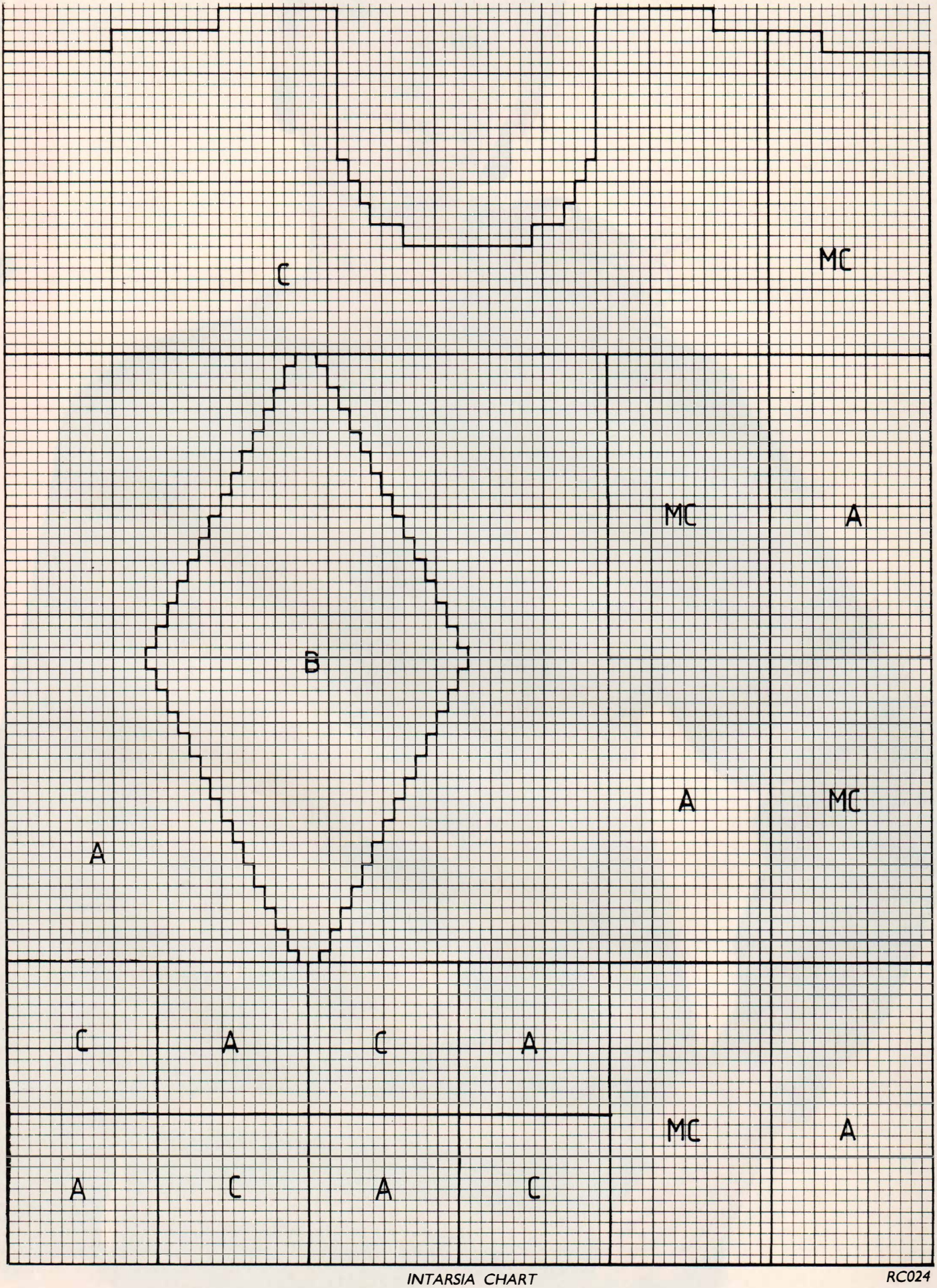
If you have any difficulty locating this yarn, please write to the address below for local stockist and mail order information. Please quote this issue of *Modern Machine Knitting*.
F. W. Bramwell & Co Ltd., Unit 5, Metcalf Drive, Altham Lane, Altham, Accrington BB5 5TU.

Trousers, *Empire*; Earrings, *Angie Gooderham*

18 ▶

pattern 2

pattern 2



INTARSIA CHART *RC024*

NECKBAND

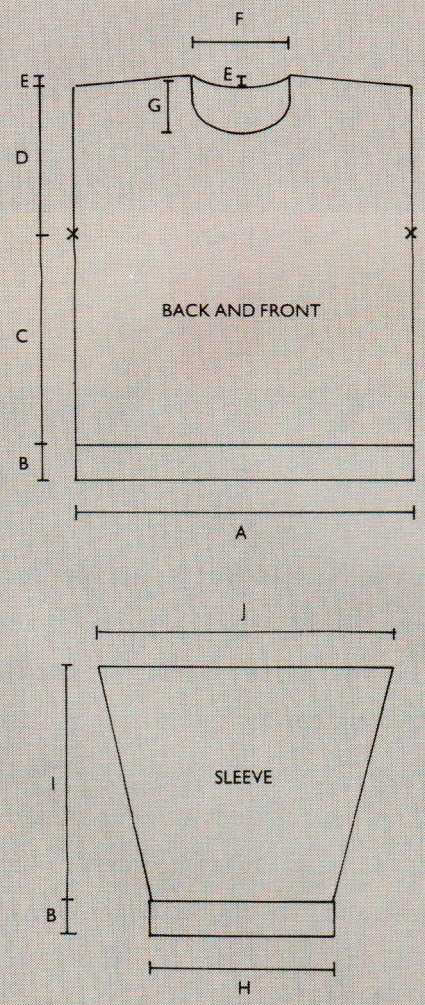
With carriage at right and using MC, cast on 90 sts at centre in 1×1 rib. K 3 tubular rows. Carriage is at right. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT–5/MT–5, K 10 rows. Transfer sts for st st. Using MT, K 2 rows. Using WY, K a few rows and release from machine.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Steam lightly.

MAKING UP

Join shoulder seams. Set in sleeves between markers. Join side, sleeve and neckband seam. Pin neckband into position. Unravelling WY as required, backstitch through open loops of last row worked in MC. Thread coloured ribbons around outlines of intarsia blocks to decorate, if desired.



A = 55 cm
B = 5 cm
C = 34 cm
D = 24 cm
E = 1.5 cm
F = 15 cm
G = 9 cm
H = 30 cm
I = 38 cm
J = 48 cm

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Good things start to happen when the right people get together. There is no substitute for experience and when someone says 'I know how you feel—it happened to me', you know you are already halfway towards getting it all sorted out and in perspective. We all need information, patterns, new things to learn and new techniques to keep our machines zipping away, but we also need encouragement, a lift to our morale from time to time and lots of confidence boosting . . .

THE GOOD NEWS

From January '93 the NEW 'TO & FRO' combines the two original To & Fro and To & Fro Electronic titles into ONE bumper 64 page BI-MONTHLY magazine for ALL machine knitters. For the first time, TO & FRO will be available from the newsagents for just £1.75 each issue, or you can opt to pay one year's subscription by filling in the coupon opposite.

It's bound to be a sell-out so order a copy from your newsagent NOW!

TO&FRO

Hazel Ratcliffe is the new Editor of TO & FRO and she will be introducing several new faces—she tells you more about their individual talents on the following page. Regular To & Fro readers will continue to find all the familiar names in the new magazine. Here are just some of the experts you have come to know so well—they too, will be joining Hazel's team . . .

NEW BI-MONTHLY MAGAZINE

PLUS

All the regular To & Fro contributors including our *new* members who we introduce overleaf

PAT COULSTON

Relax and enjoy the pleasures of machine knitting in Pat's friendly and informal articles which cover a variety of tips and techniques. Pat shares her own knitting experiences and problems in a manner which will make you really feel at home.

DIANE BENNETT

Diane's expertise on the Brother electronics has rapidly expanded with the introduction of each new model and To & Fro readers have already benefited from her invaluable teaching skills through articles, tuition tapes and courses. Diane will continue to pass on her knitting 'know-how' for all levels of experience, offering others the chance to build upon their skills.

MARY DOWSE

In her articles, Mary deals with the challenge of larger sizes and proves that 'Big is Beautiful'! Her design ideas for 'Big' knitwear are both innovative and inspirational with plenty of tips for making the most of the fuller figure in a fashionable and stylish manner.

ANGELA GORDON

Machine knitting tuition is one area in which Angela's talents excel—she caters for all levels of experience on a variety of machines and accessories. Her articles cover techniques and skills with plenty of hints and tips on how to achieve perfect results.

AUDREY PALMER

Regular To & Fro readers learn more about professional knitwear when they do it 'The Palmer Way'. Audrey's articles illustrate the 'right way' to produce a beautiful piece of knitting and she'll include all the technical information required to achieve a professional finish.

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With her 'Creative Fabrics', Susanna shows us just some of the exciting results which can be achieved with a bit of experimentation. Her inspiration and step by step instruction bring a whole host of unusual techniques within our grasp.

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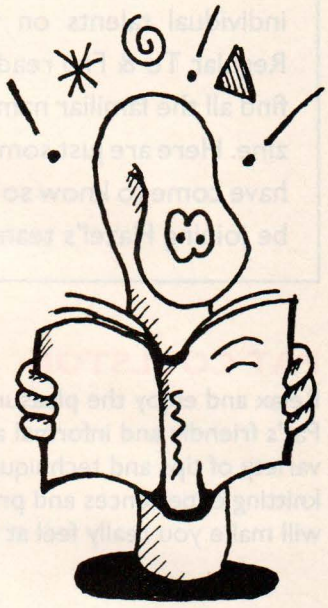
THE NEW MEMBERS OF THE TO&FRO TEAM



KATHLEEN KINDER

I am not going to embarrass Kathleen by stating the year when she and I first met to talk about machine knitting but it is a long time and many models of knitting machines ago. I can remember when we gazed in amazement at the first punchcard machines and thought they were the ultimate in modern machine knitting technology — little did we guess and how wrong could we be! Every day it seems there is something new, with the fastest growing area in machine knitting being in the field, or should I say 'jungle', of computers. 'Which one for my machine and what will it do?' Even more important, 'How do I do it?' Kathleen has many machines and many books under her belt relating to those machines, so if anyone can steer us in the right direction Kathleen can and that is where she will start on the pages of *To & Fro*.

Once again, letters will be welcome and they will be shared with readers if we think they will be helpful. Kathleen is convinced that if we understand what we are doing we are much more likely to make a success of it and I am sure she is right. The manuals, like most instruction books, are ambiguous to say the least, but if someone who 'knows' is able to translate the information into easy language, we are soon encouraged enough to continue and keep trying until we really know what we are doing.

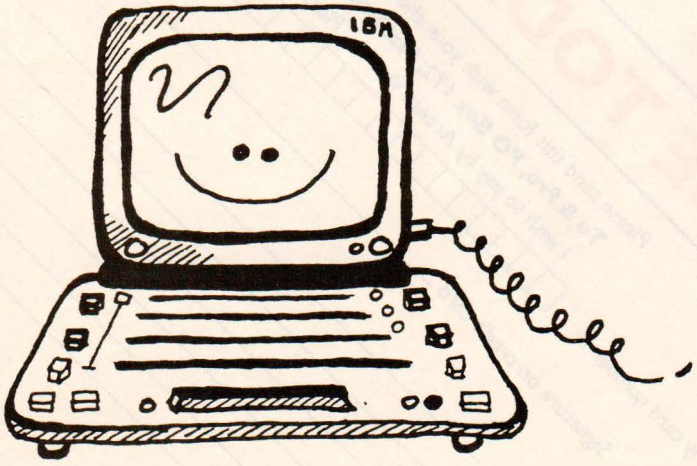
So, if you already have a computer or if you are interested to find out more about the ones you could be using on your machine, just watch Kathleen's space and you will learn a great deal, we promise.

DORIS COUTTS

Pockets or pleats, collars or cut and sew, lace or ribbing, buttonholes or bands — they are all part of Doris's extensive repertoire and she always has the knack of making them sound easy at the same time as helping you to try the technique for yourself.

Whilst she continues to maintain her interest in punchcard knitting, Doris has also become an expert on the electronics too, especially the 950i (do I hear cheers??). Doris will start with a series on the 950i but she will also be pleased to answer letters via the editorial office and we will include a selection of them, together with Doris's replies, on our readers pages so that everyone can benefit from her vast knowledge.

There are some extremely advanced knitters around these days and we are anxious to keep them supplied with new and interesting ideas, but we are also very aware of the fact that new knitters are coming along all the time and we want to nurture them and encourage them to develop and progress at their own speed. So, whether your questions seem trivial or vastly complicated, never hesitate to ask us — we are small enough to care and large enough to cope. Any letters to Doris should be addressed to her at the editorial office of *To & Fro*.



ANDY LEVICK

It is hard to believe that Andy lives on the Isle of Wight, cut off from us by a stretch of water, because she always knows about and has read any new books long before I have even got wind of them being published. Andy's motto is: 'If a book is worth reading, it is worth buying' and I agree with that. However books and especially 'good' books, are often expensive so an unbiased resumé can prove to be very helpful, particularly to those who live in isolated situations where it is difficult to get out to the book shops.

There are so many books on the market today — some are worth every penny and others may appeal to some yet be of no use to others — so a good review is invaluable. If you have read or come across any books that you have found useful to you and your knitting, please drop us a line and tell us about them. It doesn't matter if they have been around for ages as we might have missed them. It is not always machine knitting books that are the most valuable to us — we can take design inspiration from all kinds of sources and the odd 'quick and easy' cookbook or 'how to avoid the housework' titles can also be of interest from time to time.

Andy is a Passap and Japanese knitter and when she is not busy supervising the yachting club or rescuing her very naughty Siamese cat from

some predicament she can be found reading, knitting or at one of the island's numerous and active knitting clubs (usually with Doris Coutts). When books are scarce, Andy will ferret out something of interest for us, but whatever it is you can be sure that before she talks about it she will have read it, done it or test driven it!

GRACE HAYWARD

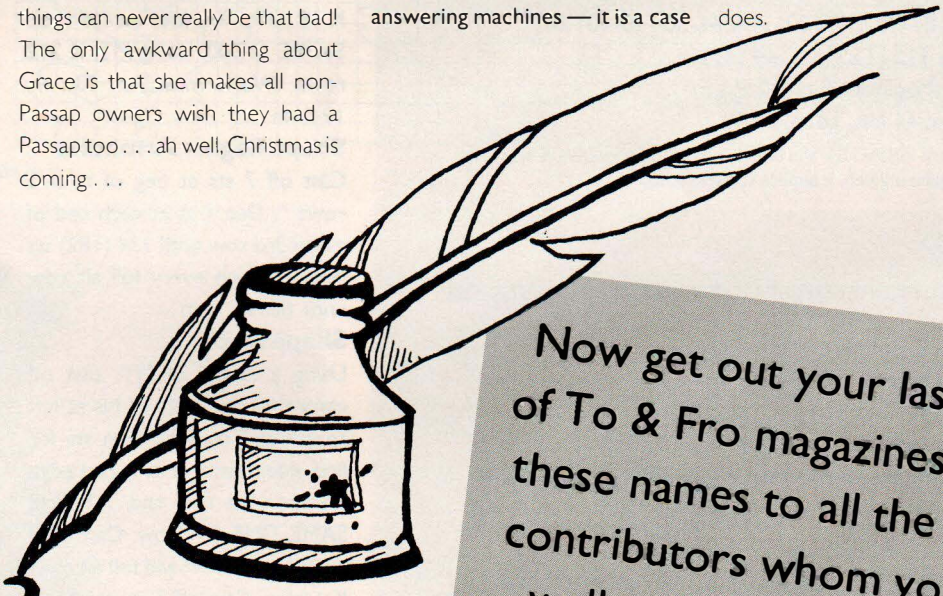
Saying 'Grace Hayward' to most Passap knitters is like saying 'Barbara Woodhouse' to dog owners. I have this theory that if Grace whistled to her Passaps they would follow her out of the house and anywhere she chose to take them. Because Passap machines are not as easily transportable to clubs and classes as the Japanese machines, they tend to get left out a bit but we will be making sure (via Grace and others) that this never happens with *To & Fro* readers. There will ALWAYS be something for the Passap (and that includes Pfaff) knitters and Grace will be on hand to answer questions and deal with any problems that might arise.

I am told by Grace that there are no problems with the Passap, only challenges and that is the attitude we must take — not just reading about it or talking about it but getting on with it — that is just what Grace's patterns and articles will help you to do. I recently received a 'phone call from a friend who said that if I would care to drive over straight away and stand below her bedroom window I would be just in time to see her E6000 come flying out of the window! Don't we all know the feeling — but if there is help at the end of a 'phone line, or for the sake of a postage stamp, things can never really be that bad! The only awkward thing about Grace is that she makes all non-Passap owners wish they had a Passap too . . . ah well, Christmas is coming . . .

JOAN GODFREY

Joan has had a knitting machine almost as long as I have been alive, so what more can I say? Joan has three knitting clubs which keep her in contact with all machine knitters and all makes of machine. Her special place on *To & Fro* will be on the end of the telephone and she does not mind what time you call. It is cheaper early in the morning and later at night and this is fine with Joan. She will not be using one of those horrible answering machines — it is a case of if she isn't in when you call, try again later, that way it won't cost you money just to hear a machine speak.

Your call doesn't have to be about a problem — if you have done something that you are pleased about and you need someone to give you a boost, Joan will be glad to hear from you. By the same token, if you need to have a moan and bend an ear, then that is OK too! Joan's phone is now in operation and her number is 0323 27074. If you call and she is out (the fashion show is tonight and the knitting has all dropped off . . .) then ring the office number instead. As with Doris's letters, any 'phone calls that are worth sharing will be published in the magazine. Joan's motto is 'If I don't know I will find out for you' . . . and she always does.



By the book

STEVE WYER

'Do I need to register my business?; what labels should I sew in my knitwear if I sell it?; what are the rules governing the running of a club?' . . . these are just a few of the readers' questions that Steve, our resident solicitor, is available to answer — and, of course, any others you might have for him.

Steve will become a regular contributor to *To & Fro* and he will keep us well within the right side of the law, so if you have any legal queries please write to Steve care of the *To & Fro* editorial office.

Now get out your last couple of To & Fro magazines and add these names to all the existing contributors whom you know well - we think you'll agree that it is quite 'A' team. Keep writing and keep in touch.

Hazel (Editor)

Longline tunic

Loose and long, this tunic style sweater couldn't be easier to knit and stocking stitch shows off the lovely sheen of Bramwell's 'Celebration'. Wear it over leggings and add jewellery for a bit of sparkle - perfect for an evening out!

pattern 3

FOR STANDARD GAUGE MACHINES WITH A RIBBER

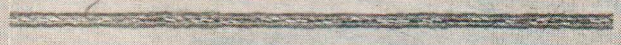
If you don't have a ribber, work ribs in mock rib as page 63.

SIZES

To fit bust 87-92 (97-102) cm, 34-36 (38-40) in.
Actual size 115 (125) cm, 44 (49) in.
Length to shoulder 65 cm, 25½ in.
Sleeve seam 41 cm, 16 in.

Instructions are written for the first size, large size follows in brackets. If only one figure is given, it applies to both sizes.

MATERIALS



Bramwell's Celebration 25
520 (570)g in Jade (MY).

GARMENT WEIGHT

Finished garment in first size weighs 520g.
The fibre content of this yarn is 92% Acrylic, 8% Nylon.

TENSION

32 stitches and 46 rows to 10 cm, 4 in measured over stocking stitch (tension dial approximately 6).
46 stitches to 10 cm, 4 in measured over 1×1 rib (tension dial approximately MT−4/MT−4).
For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 63.

If you have any difficulty locating this yarn, please write to the address below for local stockist and mail order information. Please quote this issue of *Modern Machine Knitting*.
F. W. Bramwe & Co Ltd., Unit 5, Metcalf Drive, Altham Lane, Altham, Accrington BB5 5TU.

BACK

With carriage at right and using MY, cast on 184 (200) sts at centre in 1×1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT−4/MT−4, K 18 rows. Transfer sts for st st. Set RC at 000. Using MT, K 212 rows. Work measures 50 cm, 19¾ in.

Shape Raglan Armholes

Cast off 7 sts at beg of next 2 rows *. Dec 1 st at each end of every 3rd row until 134 (182) sts rem, then on every foll alt row until 80 sts rem.

Shape Neck

Using a length of MY, cast off centre 42 sts. Push 19 Ns at left to HP and cont on rem sts for first side. Dec 1 st at raglan edge on every alt row and, AT THE SAME TIME, K 1 row. Cast off 3 sts at beg of next and foll alt row, K 1 row. Cast off 2 sts at beg of next and foll 2 alt rows, K 2 rows. Fasten off rem st. With carriage at left, push rem Ns from HP to UWP. Finish to correspond with first side, reversing shapings.

FRONT

Work as for back to *. Dec 1 st at each end of every 3rd row until 136 (184) sts rem, then on every foll alt row until 106 sts rem, K 1 row.

Shape Neck

Using a length of MY, cast off centre 26 sts. Push 40 Ns at left to HP and cont on rem sts for first side. Dec 1 st at raglan edge of next and every foll alt row and, AT THE SAME TIME, K 1 row. Cast off 6 sts at beg of next row, K 1 row. Cast off 3 sts at beg of next and foll alt row, K 1 row. Cast off 2 sts at beg of next and foll 2 alt rows. Dec 1 st at neck edge of next 7 rows. 5 sts. Dec 1 st at raglan edge of every foll alt row until 1 st rem. Fasten off. With carriage at left, push rem Ns from HP to UWP. Finish to correspond with first side, reversing shapings.

LEFT SLEEVE

With carriage at right and using MC, cast on 84 sts at centre in 1×1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT−4/MT−4, K 28 rows. Transfer sts for st st. Set RC at 000. Using MT, shape sides by inc 1 st at each end of every 3rd row until there are 144 sts, then on every foll 4th row until there are 192 sts. K 2 rows. RC

Skirt, *Wallis*; Earrings, *Adrien Mann*; Bracelets, *Fenwick*

26 ▶

pattern 3

◀ 24

shows 188 and work measures 47 cm, 18½ in. K 1 row extra for right sleeve *.

**** Shape Raglan Top**

Cast off 7 sts at beg of next 2 rows. Dec 1 st at each end of every alt row until 166 (146) sts rem, then on every row until 38 sts rem. Dec 1 st at left edge on every row and, AT THE SAME TIME, cast off 9 sts at beg of next and foll alt row, K 1 row. Cast off 4 sts at beg of next row, K 1 row. Dec 1 st at left edge on every foll alt row and, AT THE SAME TIME, cast off 4 sts at beg of next row, K 1 row. Cast off 3 sts at beg of next row, K 1 row. Fasten off rem st **.

RIGHT SLEEVE

Work as for left sleeve to * noting alteration in number of rows worked, then from ** to **, reversing shapings by reading right for left.

BACK NECKBAND

With carriage at right and using MY, cast on 78 sts at centre in 1×1 rib. * K 5 tubular rows. Carriage is at right. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT−4/MT−4, K 13 rows. Transfer sts for st st. Using MT, K 1 row. Using WY, K a few rows and release from machine *.

FRONT NECKBAND

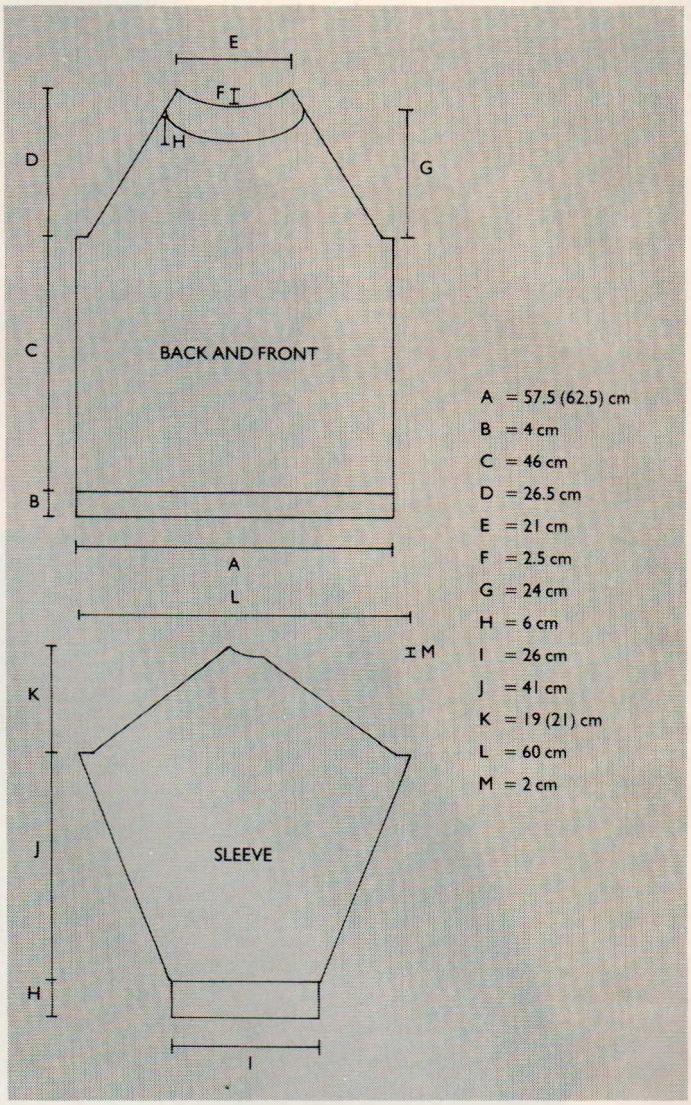
With carriage at right and using MC, cast on 168 sts at centre in 1×1 rib. Work as for back neckband from * to *.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP

Join raglan, side and sleeve seams. Join neckband seams. Pin neckbands into position. Unravelling WY as required, backstitch through open loops of last row worked in MY.



A = 57.5 (62.5) cm
B = 4 cm
C = 46 cm
D = 26.5 cm
E = 21 cm
F = 2.5 cm
G = 24 cm
H = 6 cm
I = 26 cm
J = 41 cm
K = 19 (21) cm
L = 60 cm
M = 2 cm

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Baby's pram set

This traditional set of baby clothes shows off the texture of tuck stitch on the knit side. The jacket has matching bonnet, bootees and mitts – all trimmed with ribbon. Baby will look as pretty as a picture!

JACKET

MAIN BODY SECTION

(Back and Front knitted in one piece.)

Push 146 (164) Ns to WP. * Using MT+1 and WY, cast on and K a few rows ending with carriage at right. Using MY, K 4 rows. Transfer every alt st on to adjacent N, leaving empty Ns in WP. K 4 rows. Make a hem by placing loops of first row worked in MY on to corresponding Ns. Unravel WY when work is completed *. Insert punchcard and lock on first row. Set carriage for patt. Set RC at 000. K 1 row. Release card and cont in tuck st. K 78 (96) rows. Cont in st st. K 1 row. RC shows 80 (98) and work measures 14.5 (17.5) cm, 5¾ (7) in. Using WY, K a few rows and release from machine. Push 65 (73) Ns at left and right of centre 0 to WP. 130 (146) Ns. With carriage at right and P side facing, replace sts on to Ns as follows: 1 st on to each of first 5 Ns, 2 sts tog on to next N, * 1 st on to each of next 7 Ns, 2 sts tog on to next N. Rep from * across the row ending with 1 st on each of last 4 Ns. Unravel WY. Using MT−1 and MY, K 2 rows. Using MT, K 6 (10) rows.

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FOR STANDARD GAUGE PUNCHCARD AND ELECTRONIC MACHINES

SIZES

To fit 0-3 (3-6) months.

Jacket

Actual size 43 (48.5) cm, 17 (19) in.
Length to back neck 27.5 (32.5) cm, 10¾ (12¾) in.
Sleeve seam 13.5 (15.5) cm, 5¼ (6) in.

Bonnet

Front edge 30 (33) cm, 11¾ (13) in.

Bootees

Length of foot 9 (10.5) cm, 3½ (4¼) in.

Mittens

Total length 11 (12.5) cm, 4¼ (5) in.

Instructions are written for the first size, larger size follows in brackets. If only one figure is given, it applies to both sizes.

MATERIALS

Brockwell Yarns Mercerised Cotton 4×2/16.
1×350g cone in Pale Turquoise (MY).

Jacket

3 small buttons.

Bonnet, Bootees and Mittens

2 metres Offray single-face satin ribbon, 23 mm wide in 323 Tropic.
1.5 metres Offray single-face satin ribbon, 9 mm wide in 323 Tropic.
2.50 mm crochet hook.

GARMENT WEIGHT

Finished garment in first size weighs:
Jacket 105g.
Bonnet 30g.
Bootees 25g.
Mittens 15g.
The fibre content of this yarn is 100% Cotton.

TENSION

30 stitches and 40 rows to 10 cm, 4 in measured over stocking stitch (tension dial approximately 7).
26 stitches and 60 rows to 10 cm, 4 in measured over tuck stitch on MT+1 (tension dial approximately 8).
For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 63.

KNITTING NOTES

We used knit side of knitting as right side of garment.
Punch card, as shown, before starting to knit.
When shaping in HP, always take yarn round first inside N in HP to prevent a hole forming.

If you have any difficulty locating this yarn, please write to the address below for local stockists and mail order information. Please quote this issue of *Modern Machine Knitting*.
Brockwell Yarns, S. & J. Andrews (W.Y.) Ltd., Stansfield Mill, Triangle, Sowerby Bridge, West Yorkshire HX6 3LZ.

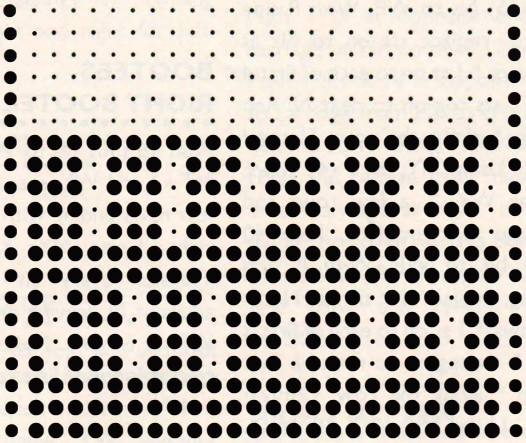
pattern 4

pattern 4

◄ 27

pattern 4

On a blank card punch 2 rows of holes as usual then repeat these 12 rows



Punchcard chart

Shape Armholes

Using lengths of MY, cast off sts 30 to 35 (34 to 39) inclusive at left and right of centre 0. Using nylon cord, K 30 (34) sts at left and right by hand taking Ns down to NWP. Cont on rem 58 (66) sts for back. Set RC at 000. Using MY, dec 1 st at each end of every alt row until 54 (62) sts rem. K 32 (36) rows. RC shows 36 (40).

Shape Shoulders

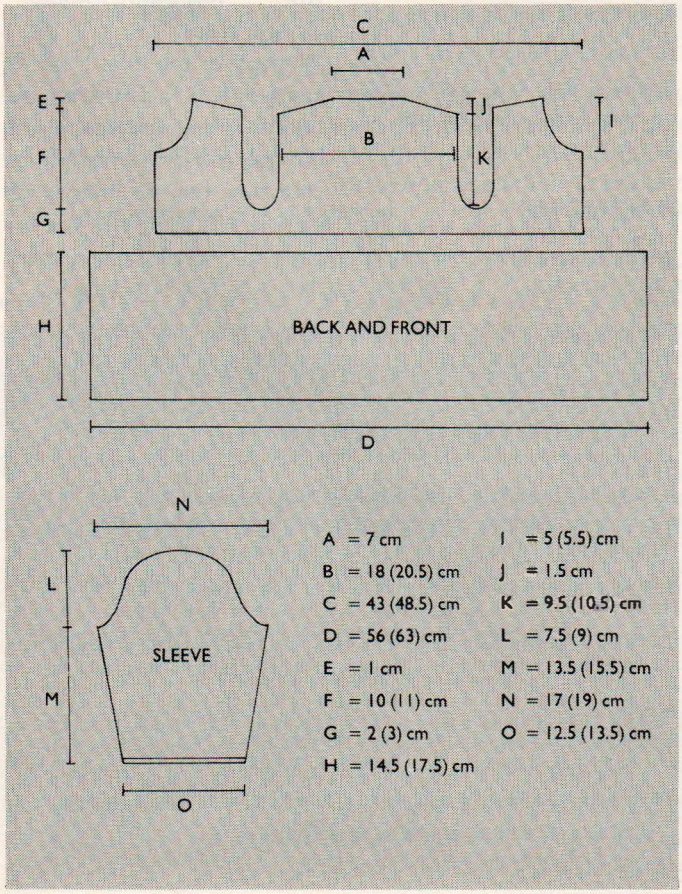
Push 5 (7) Ns at opposite end to carriage to HP on next 4 rows and 6 Ns on foll 2 rows. Push 16 (20) Ns at opposite end to carriage from HP to UWP on next 2 rows. Using WY, K a few rows and release from machine. ** With carriage at right, unravel nylon cord over 30 (34) Ns at right bringing Ns back to WP. Using MY, dec 1 st at armhole edge on every alt row until 28 (32) sts rem. K 20 (22) rows.

Shape Neck

Cast off 5 sts at beg of next row. Dec 1 st at neck edge on every row until 19 (23) sts rem, then on every foll alt row until 16 (20) sts rem. K 3 (5) rows.

Shape Shoulder

Push 5 (7) Ns at opposite end to carriage to HP on next and foll alt row, K 1 row. Push Ns at opposite end to carriage from HP



A = 7 cm	I = 5 (5.5) cm
B = 18 (20.5) cm	J = 1.5 cm
C = 43 (48.5) cm	K = 9.5 (10.5) cm
D = 56 (63) cm	L = 7.5 (9) cm
E = 1 cm	M = 13.5 (15.5) cm
F = 10 (11) cm	N = 17 (19) cm
G = 2 (3) cm	O = 12.5 (13.5) cm
H = 14.5 (17.5) cm	

30 ►

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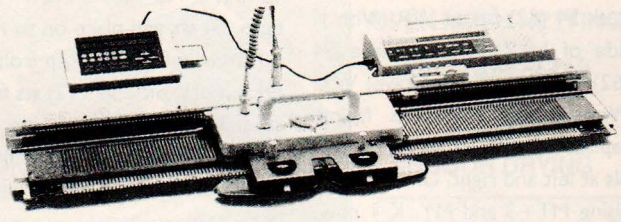

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NS

pattern 4

to UWP. K 2 rows. Using WY, K a few rows and release from machine. Work right front as for left front from ** to end, reversing shapings and reading left for right.

TO JOIN SHOULDERS

Push 54 (62) Ns to WP. With K side of back facing, replace 54 (62) sts on to Ns. Unravel WY. With P side of fronts facing, replace 16 (20) sts on to 16 (20) Ns at left and right. Unravel WY. Using MT+3 and MY, K 1 row. Cast off with a latch tool.

SLEEVES

Push 38 (41) Ns to WP. Work as for main body section from * to *. Set RC at 000. K 1 row. Using MT, K 6 rows. Shape sides by inc 1 st at each end of next and every foll 6th row until there are 52 (57) sts. K 6 (8) rows. RC shows 50 (58) and work measures 13.5 (15.5) cm, 5¼ (6) in.

Shape Top

Cast off 4 sts at beg of next 2 rows. Dec 1 st at each end of every alt row until 20 (19) sts rem, then on every row until 10 (9) sts rem. Cast off.

NECKBAND

Push 52 (56) Ns to WP. * Using MT and WY, cast on and K a few rows ending with carriage at left. Using MT−1 and MY, K 4 rows. Transfer every alt st on to adjacent N, leaving empty Ns in WP. Using MT−2, K 4 rows. Make a hem by placing loops of first row worked in MY on to corresponding Ns. Unravel WY when work is completed. Using MT+3, K 1 row *. With P side facing, pick up 15 (17) sts up left front neck edge, 22 sts across back neck and 15 (17) sts down right front neck edge and place on to Ns. K 1 row. Cast off with a latch tool.

BUTTON BAND

Push 56 (68) Ns to WP. Work as for neckband from * to *. With P side of left front facing, pick up 2 sts from picot hem, 33 (40) sts from tuck st, 19 (24) sts from st st and 2 sts from neckband and place on to Ns. K 1 row. Cast off with a latch tool.

BUTTONHOLE BAND

Push 56 (68) Ns to WP. Work as for neckband from * to *. With P side of right front facing, pick up 2 sts from neckband and place on to first 2 Ns, miss 2 Ns. ** Pick up 6 (8) sts and place on to next 6 (8) Ns, miss 2 Ns. Rep from ** once more, pick up 1 (2) sts from st st, 33 (40) sts from tuck st and 2 sts from picot hem and place on to Ns. K 1 row. Cast off with a latch tool.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band, omitting tuck st.

MAKING UP

Join sleeve seams. Set in sleeves. Finish buttonholes.

BONNET TO KNIT

Push 78 (86) Ns to WP. Using MT+1 and WY, cast on and K a few rows ending with carriage at right. Using MY, K 5 rows. Transfer every alt st on to adjacent N, leaving empty Ns in WP. K 6 rows. Make a hem by placing loops of first row worked in MY on to corresponding Ns. Unravel WY when work is completed. Insert punchcard and lock on first row. Set carriage for patt. Set RC at 000. K 1 row. Release card and cont in tuck st. K 72 (78) rows. Work measures 13.5 (14.5) cm, 5¼ (5¾) in. Cont in st st. Using WY, K a few rows and release from machine. Push 70 (77) Ns to WP. With P side facing, replace sts on to Ns as follows: * 1 st on to each of first 7 Ns, 2 sts tog on to next N. Rep from * along the row ending with 1 st on each of last 6 (5) Ns. Unravel WY. Using MT and WY, K 4 rows. Using WY, K a few rows and release from machine. Push 60 (66) Ns to WP. With P side facing, replace sts on to Ns as follows: * 1 st on to each of first 5 Ns, 2 sts tog on to next N. Rep from * along the row. Unravel WY. Using MY, K 4 rows. Using WY, K a few rows and release from machine. Push 50 (55) Ns to WP. With P side facing, replace sts on to Ns as follows: * 1 st on to each of first 4 Ns, 2 sts tog on to next N. Rep from * along the row. Unravel WY, Using MY, K 3 (4) rows. Using WY, K a few rows and release from machine. Push 40 (44) Ns to WP. With P side facing, replace sts on to Ns as follows: * 1 st on to each of first 3 Ns, 2 sts tog on to next N. Rep from * along the row. Unravel WY. Using MY, K 2 (3) rows. Using WY, K a few rows and release from machine. Push 30 (33) Ns to WP. With P side facing, replace sts on to Ns as follows: * 1 st on to each of first 2 Ns, 2 sts tog on to next N. Rep from * along the row. Unravel WY. Using MY, K 2 (3) rows. Using WY, K a few rows and release from machine. Push 20 (22) Ns to WP. With P side facing, replace sts on to Ns as follows: * 1 st on to first N, 2 sts tog on to next N. Rep from * along the row. Unravel WY. Using MY, K 2 (3) rows. Break off yarn leaving a long end, thread end through all sts and draw up.

PRESSING

With wrong side facing, pin out to measurements given. Press carefully following instructions on cone band, omitting tuck st.

MAKING UP

Join back seam. Work one row of dc around lower edge. Attach ribbon to both corners as shown in photograph.

BOOTEES

RIGHT BOOTEE

Push 46 (50) Ns to WP. * Using MT+1 and WY, cast on and K a few rows ending with carriage at right. Using MY, K 5 rows. Transfer every alt st on to adjacent N, leaving empty Ns in WP. K 6 rows. Make a hem by placing loops of first row worked in MY on to corresponding Ns. Unravel WY when work is completed. Insert punchcard and lock on first row. Set carriage for patt. Set RC at 000. K 1 row. Release card and cont in tuck st *. K 24 rows. Cont in st st. K 1 row. RC shows 26 and work measures 6 cm, 2¼ in. Transfer every alt st on to adjacent N, leave empty Ns in WP. Using MT, K 7 rows. Using nylon cord, K 23 (25) sts at left by hand taking Ns down to NWP. Cont on rem 23 (25) sts. K 11 (18) rows.

Shape Toe

** Push 1 N at opposite end to carriage to HP on next 10 rows and 2 Ns on foll 2 rows. Push 2 inside Ns at opposite end to carriage from HP to UWP on next 2 rows and 1 N on foll 10 rows **. K 11 (18) rows.

Shape Heel

Work as for toe from ** to **. Using WY, K a few rows and release from machine. With carriage at right, unravel nylon cord over rem Ns bringing Ns back to WP. Using WY, K a few rows and release from machine.

OCTOBER COMPETITION RESULTS

We have two prize winners for our October Competition – each will receive a Silver Reed lace carriage. The LC 580 Lace Carriage goes to Mrs D G Dunne of Barnehurst in Kent and the LC2 Lace Carriage to Mrs S M Taylor who lives in Crewkerne, Somerset. Congratulations to you both.

The correct answers to all seven questions were, in each case, the 'C' option as follows:

1 – Long John Silver; 2 – Silverside; 3– Silver Birch; 4 – Silvery Moon; 5 – 1977; 6 – Silver Bullet; 7 – Unit 1, 10 Wandle Way, Willow Lane Trading Estate, Mitcham, Surrey CR4 4TE.

LEFT BOOTEE

Work as for right bootee, reversing shapings and reading left for right and right for left.

PRESSING

Press as for jacket.

MAKING UP

Graft heel sts. Join side and foot seams. Thread ribbon through eyelet holes and tie.

MITTENS
LEFT MITTEN

Push 40 (44) Ns to WP. Work as for right bootee from * to *. K 18 rows. Cont in st st. K 1 row. RC shows 20 and work measures 5 cm, 2 in. Transfer every alt st on to adjacent N, leave empty Ns in WP. Using MT, K 13 (19) rows. Using nylon cord, K 20 (22) sts at left by hand taking Ns down to NWP. Cont on rem 20 (22) sts.

Shape Top

Push 1 N at opposite end to carriage to HP on next 12 rows. Push 1 inside N at opposite end to carriage from HP to UWP on next 12 rows. Using WY, K a few rows and release from machine. With carriage at right, unravel nylon cord over rem Ns bringing Ns back to WP. Using WY, K a few rows and release from machine.

RIGHT MITTEN

Work as for left mitten, reversing shapings and reading left for right and right for left.

PRESSING

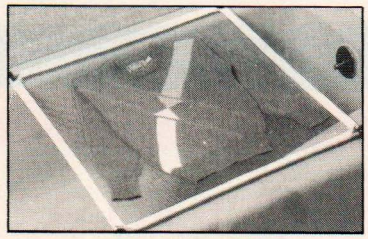
Press as for jacket.

MAKING UP

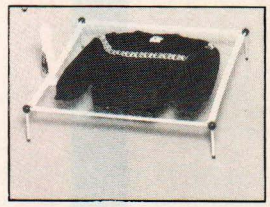
Graft top sts. Join side seams. Thread ribbon through eyelet holes and tie.

Sweater Drying Rack

NO RUST – STURDY FRAME



OPEN MESH NETTING for EVEN AIR FLOW for OVER BATH for INDOOR DRYING



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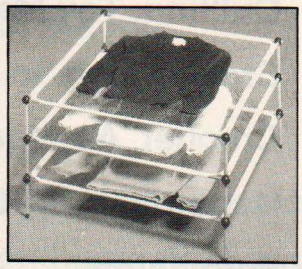

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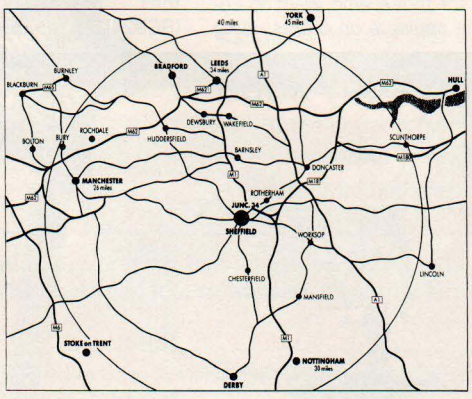

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MACHINE KNITTING MONTHLY

JOIN US AT SewKNIT

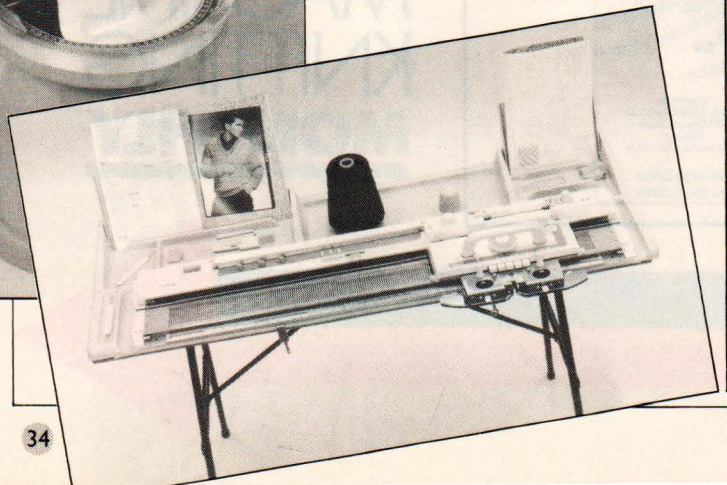
Whether your interests include machine knitting, hand knitting, sewing, embroidery, tapestry, needlepoint, crochet or appliqué, you'll find all the latest products and a wealth of inspiration at SewKnit to cater for every needlecraft speciality. Here are just some of the companies who will be exhibiting at the show – we've set aside space for them to tell you about themselves and what they will be offering

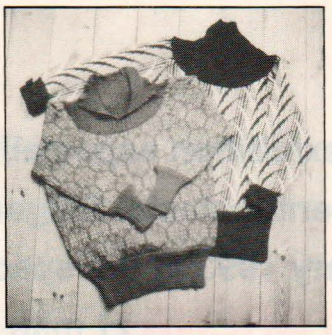
The Yarn Cellar

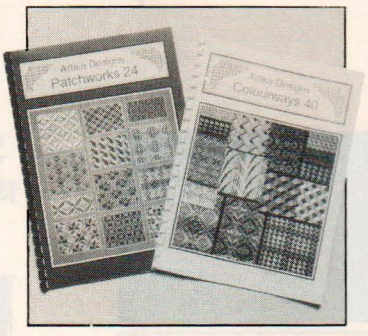
The Yarn Cellar is a long established dealership for Brother knitting and sewing machines. We always place great emphasis on our friendly, 'after sales' service. As well as carrying a large range of the usual branded yarns, we also concentrate on stocking a selection of 'value for money' Industrial yarns and supply to knitters Nationwide such yarns as lambswool/Angora/Nylon; Shetland; lambswool; cotton; filigree crêpe and many more. The majority of these qualities retail for less than £3 per 500 grams. Come and see for yourself – we'll be on stand C1.

B Hague & Co Ltd

You'll find Hague on stand B1, showing their range of Britain's best selling Linking Machines and special accessories for the machine knitter. These include the new **'Tidy Tray'** which features two hinged book rests, two cone holders and several different sized partitions – specially designed to fit all those machine knitting tools and other 'bits and bobs' and keep them all within easy reach of the operator.







Artika Designs

Artika Designs combine imaginative use of colour with unusual abstract designs to enable home knitters and designers to produce exclusive looking knitwear. This season sees the launch of two new colour booklets: **Patchworks-24,** based on traditional American patchwork, optical illusion, angular baskets and flowers; and **Colourways-40,** a medley of designs for 40 stitch punchcard and electronic machines. Disks containing the pattern collections are now available for Brother PPD owners.

In addition, Artika Designs now produce garment patterns and kits featuring innovative ideas and techniques, including a half sleeved Tapestry Bolero design and matching longline jacket. Visit stand E31 to see the complete design range.

The Finishing Touch

The Finishing Touch are specialists in first class appliqué. Our fabric range includes satins, suedettes and velvets – all fully washable. We also produce a range of beautiful knitting kits for the hand and machine knitter, which include everything needed to produce one of the superb jackets displayed on our stand. We will have several new designs at the show as well as ready made jackets for sale. We can also offer a 'custom made' service which is useful for those who want to co-ordinate appliqué on outfits using their own bought fabrics. Come and discuss your ideas with us on stand D18 and we'll help you to put together your own designer garment!

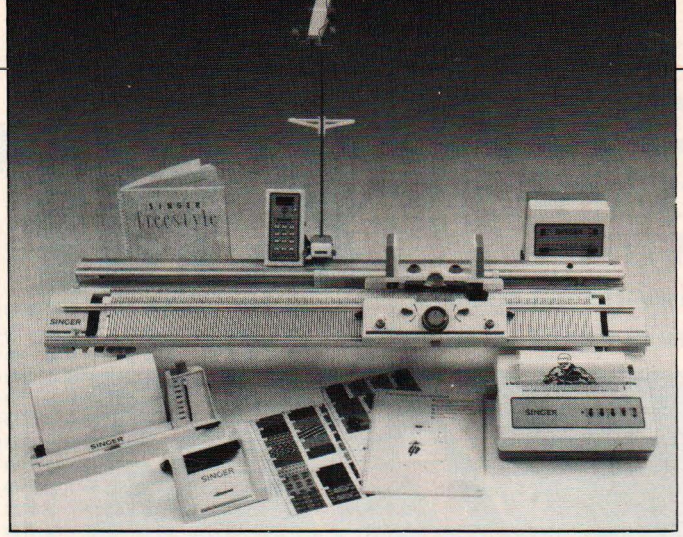
M.K.C. (Leeds) Ltd

The new **BERNINA 1530 Inspiration** is here! This is the ultimate computer sewing machine with the unique cursor control system to offer you 9 buttonholes, 3 alphabets, 256 built-in patterns and stitch creation. We offer a unique free, one day handling course to every M.K.C. customer. Membership of the M.K.C. Bernina Club guarantees trouble free sewing for life!

The Passap 6000 with the Creation 6 software for computer design gives the freedom to design and knit at the push of a button – unrivalled versatility and ease of use. We offer a unique free, three day handling course to every M.K.C. customer. Put the pleasure back in your sewing and knitting with M.K.C. on stand E35.

Riccar (UK) Ltd

Riccar will be launching their super new computer sewing machine which incorporates a unique finger touch pattern selection system. The Computer 5800 has a wide and varied package of stitch patterns – it is easy to use and represents excellent value for money. Riccar also have their best-selling overlocker (RC924DR) on display on stand



The Singer Freestyle, just one of the range of knitting and sewing machines Singer UK Ltd will be showing on stand F1.

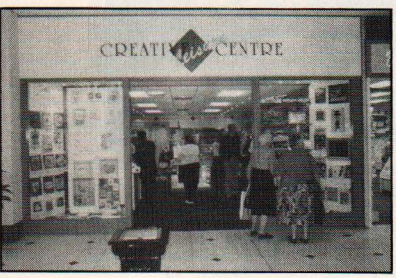
F12 along with a good selection of budget priced sewing machines.

Knitnacks

Knitnacks is a small, friendly shop which opened recently in Sheffield, stocking a range of machine and hand knitting yarns, Silver Reed knitting machines, accessories and crafts. We will be on stand E12 to offer a choice of Spectrum yarns to both hand and machine knitters – Strata Aran on 100g and 400g balls; DK on 100g balls and Linaria on 500g cones – all in Spectrum's superb colour range and including this season's new shades. We will also be featuring embroidery charts and kits from Madeira plus the full range of Madeira six strand embroidery floss.

Creative Leisure

Creative Leisure will be showing an unusual selection of needlework kits from DMC, including **Designer Stitches** and **Design Perfection** by Mary Hickmott. Other names include Maria van Charenburg and Janlynn. There will also be hundreds of cross-stitch books and a small selection from our children's creative range; friendship bracelets; knitting Nancies; and so on. Creative Leisure represents its shops at Meadowhall Shopping Centre and Thurrock Lakeside, Essex.



F W Bramwell & Co Ltd

Come and see the full range of F W Bramwell machine knitting yarns – whatever gauge of knitting machine you use, we have a yarn especially for you. Pick up a shade card from stand D2 – you'll be amazed at the colour ranges available. We will also be showing a full range of the **'Jones Tones'** fabric paints. Stop by the stand for a demonstration of this versatile medium which you can use to enhance your own special garments.

BRAMWELL YARNS TRAVEL THE WORLD
As well as being the U.K.'s leading supplier of coned yarn for machine knitting, Bramwell yarns are now being distributed to many countries around the world, enabling the discerning machine knitter to experience the superb quality, texture, colour consistency and constant weight and strength of their yarns.
But you don't have to travel far, the following yarns are now available at your local stockist:
● 4 Ply Acrylic ● Hobby Knop
● Hobby Variations ● Rania
● Texas Chunky ● Baby Bramwell ● 2/30 Repeatable H.B. Acrylic ● Artistic ● Roseknit
Superwash ● Bramwell Silky
● Metallic ● Instant Fair Isle
● Double Knit ● Opal
● Montana Cotton ● Ivette
● Duomagic ● Super Duomagic
● Zodiac ● Tweedknit
● Celebration ● Glitz
● Bramwool ● Chunky Mohair
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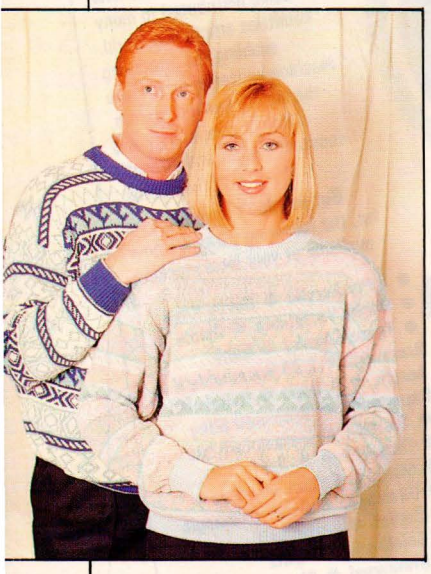
Fantasy Fabrics

Fantasy Fabrics is a mail order supplier of exotic fabrics and threads for embroiderers and other textile workers. Fabrics are available in pieces as small as 12 inches square and also by the metre. As well as being major Madeira stockists, we search for unusual materials and threads from this country and abroad, so, if you can't find what you want at your local store, call us. Other products we stock include fabric paints, Bondaweb, waste canvas, beads, braids, leather, salmon skins, felt and cotton scrim. Look for us on stand D13A.



T Forsell & Son Ltd

The full range of Forsell yarns will be available on stand F7, together with supporting patterns. Qualities include Forsell Pure New Wool in 4 ply and DK; Superwash Wool in 2 ply, 3 ply and 4 ply; Super Software – 60% Wool, 40% Nylon; Shamal – 80% Acrylic, 20% Wool 4 ply; Sirocco – 80% Acrylic, 20% Wool 3 ply; Naturell Wool/Alpaca 3 ply; Aran in Pure New Wool; Super Combed Cotton in 2 ply. NEW yarn ranges include Pot Pourri Instant Fairisle 4 ply Pure Wool; 3 ply Superwash Pure New Wool; Touch of Silk – Wool/Silk DK Tweed.

Anna Lamour

If you have a doll tucked away in a drawer, why not take her out and treat her to a new outfit or a pair of shoes? We have a wide selection of supplies for making and renovating dolls and, new this year, is our range of patterns for doll's bodies and clothes. We also stock skeletons which can be inserted into dolls to make them posable and a doll stand which can also be used to achieve a perfect fit for all your dolls' clothes. For porcelain doll kits and Swiss mask doll supplies, visit us on stand D17a.

Forge Craft Creations

We specialise in Swiss darned 'Motif' embroidery kits. The exquisite lifelike designs by Sylvia Wynn are creating a new vista for both hand and machine knitters. The designs depict British Wildlife at its best with six birds, five animals, the English Rose and the Ginger Tom. Sylvia will be demonstrating the art of Swiss darning on stand E10.

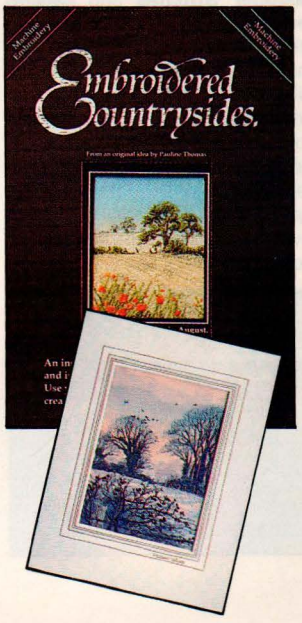
Forge Craft Creations also specialise in wool and tweed from the Scottish Islands, most of which is spun and woven exclusively for us to create our classic Country Wear Co-ordinates – Harris Tweed skirt lengths with matching hand knitted Jacket Kits from £29.50. You will also find a selection of sophisticated mohair loop and Shetland Wool Suit Kits.

Myra Coles

Myra Coles, UK authority on sewing machines, has produced a comprehensive mail order catalogue for machine sewers who are interested in dress, embroidery, patchwork, quilting, soft furnishings and crafts. Products include: all machine accessories; workroom equipment; wadding; haberdashery; needles, threads; fabrics; cushion stuffing; books and videos. Many of these products will be on display on stand B9 where you will find names including Tootal, Liberty, Deka and YKK. Myra will be on hand to help and advise on sewing machines. Don't miss her special **'Lingerie'** talk and demonstration in the Lecture Theatre.

Sylvia Clarke

Sylvia Clarke will be on stand D13 with her extensive range of designs for standard gauge knitting. These include the Chinese Willow Pattern; a Tutankhamen design from the Land of the Pharaohs; three different sets of flower designs plus the latest set of Sideways Knit flowers and leaves. For the younger members of the family there is a choice of Dinosaurs, Pony Club, Kids 1 and 2, Wildlife 1 and 2, as well as many others. Individual pattern leaflets are now available, some using Forsell yarns and Sylvia will be selling a range of Designer Knit Kits which include her popular 'Sweet Pea' and 'Oriental Poppy' designs.



Embroidered Collection

You'll discover **'Embroidered Countrysides'** on stand E32 – creative machine embroidery in a kit which includes everything you require to create your own landscape pictures with your swing needle sewing machine. Look out for our new designs. A thread painting course is included in each kit. Other products on the stand include picture frames, brooch frames and threads. Pauline Thomas will provide further inspiration with demonstrations and there will be a display of finished works and prints.

Wyvern Yarns Ltd

Simple basic shapes and stocking stitch combine with a clever use of colour and texture to produce a deceptively sophisticated look in our knitwear designs. Our hand knitting kits come complete with yarn, instructions and helpful A2 (lifesize) charts, which machine knitters can easily interpret too. Kit prices range from £14.95 for

soft Italian Courtelle to £39.95 for 80% Kid Mohair and Viscose Ribbon designs. Some designs, previously available in kit form only, are now available as separate patterns complete with A2 charts for just £2 each. We'll be offering the above on our stand E4 where you'll also find some of our discontinued quality yarns at reduced prices.

Texere Yarns

'Texere Yarns' is the well known Bradford mail order company operating from a 10,000 square feet warehouse near the Cathedral. We stock many ranges of yarns produced from Cashmere, Alpaca, Angora, silk, wool, cotton and acrylic fibres. You will find a superb selection of colours and many of these yarns on our stand G4 at the Exhibition! Amongst the hand and chunky yarns on offer will be Viscose and Nylon Ribbons and Cotton Chenille. For standard gauge knitters we will include Shetland Wool, Chenille, Cotton and Metallic Glitter Yarn.

Bodycheck

Do you have problems with your cushions and pillows? If they tend to go flat and lose their shape, take a look at the **'Silver Lining Pillow'** from Dunlop (you'll find us on stands G8 and G9). This quality pillow has a unique inflatable insert buried deep in the fibres which prevents it from going flat. It is adjustable and fully supports the neck and back – needlecraft and sewing enthusiasts will find it a must!

Yarn Hogs

Yarn Hogs is a new company established to distribute yarns for needlecrafts. These are suitable for crochet, embroidery, tapestry work and sewing, tatting, needlepoint and cross stitch. Principally, the range covers Crewel and tapestry wools, embroidery and sewing cottons and silks. Almost every colour in the rainbow will be found in the selection of yarns and threads displayed at the show. We'll be on stands G5, G6 and G7.

Betty Foster MBE (Fashion Sewing)

Betty Foster is undoubtedly one of the most exciting and successful teachers of dressmaking and dress design in the UK. Broadcaster, TV Presenter and Author – she lectures Internationally and is an expert on the Computer Design Systems used in the clothing industry. Betty was awarded an MBE in this year's Birthday Honours List.

Skye Knitwear Ltd

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Maureen Whitemore

The Maureen Whitemore School for Fine Furnishings offers specialist training for those wishing to create their own beautiful curtains, bedspreads, cushions and accessories. The two day residential courses are available at the Old Church Hotel, Ullswater and at New Home's demonstration Room in Bredbury, Stockport.

Maureen has made two videos, introduced by Una Stubbs, covering some of the techniques she teaches. She also has a mail order catalogue which features furnishing products and information. Maureen's Soft Furnishing demonstration at the Exhibition will provide plenty of inspiration for anyone who would like to know more about the craft.

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Lincolnshire's best loved fabric shop will be displaying a wide selection of items on stand A9. Liberty stockist Jeannie Barr presides here with her skilled and beguiling choice of materials from around the world. She will be showing inspirational pieces which reflect her customers' handy-work. This season's specialities feature luxury mohairs, fashion wools and silks – many of which are never seen at the big stores. The unusual choice will delight you, as will the prices!

Letters, hints & tips

Win a subscription to Modern Machine Knitting when we choose your letter of the month.

MORE THAN ONE WAY

I read with interest the problems Joan Alletson had with her KG93 garter carriage and the 950i (September '92 issue). Perhaps you would like to forward the following instructions on to the lady as I find this method supercedes all others.

1. Swtich on machine and move the garter carriage past the end marks on the machine.
2. Enter 777 and push the memory button five times, until the memory light comes on (it does not matter which pattern is already in the memory).
3. Push all switches to the right on the garter carriage and push the green button to start.
4. When all stitches have been automatically cast on, stop the machine (garter carriage), feed 770 into the machine and push the memory button. The memory will revert back to the previous pattern.

I hope this information will be helpful!

Brenda Wright, Withernsea, East Yorkshire

We have forwarded this tip to Joan already, but as the information might be helpful to others too, we decided to publish Brenda's letter. Here is another letter on the same problem ...

I find it strange that Joan Alletson found it difficult to cast on with the 950i and garter carriage and had to resort to finding a pattern to do it. I also have a 950i and garter carriage and this is all that needs to be done: Programme in 537, which is plain garter stitch, then knit one row. Then you will have a perfect cast on and there is no need to find a pattern!

I hope this will help other knitters as it is so easy to do. The 950i is a lovely machine!

Jean Ginn, Brighton, Sussex

Again, thank you for the tip which we will also send on to Joan. This just proves what is so true of many machine knitting techniques – there is always more than one way to do something, but its nice to share the discoveries of others and try out different methods to find the one which suits you best!

PATTERN REQUEST

I have finished knitting the 'Zipped Jacket with Hood' featured on page 16 in the September '92 issue of *MMK*. It looks absolutely fantastic. I used Panama in a Denim shade, so it really does look like a jacket. The only problem is that my two little boys, aged five and six, want me to knit one for them – as do the two girls down the road who are 12 and 13 years old! So please could you publish a pattern of similar or the same design in a wider range of sizes say 24-34 inch chest (60 cm-87cm)?

Mandy Robinson, Scunthorpe, South Humberside

We're glad you like the jacket pattern, Mandy – it is a popular style and very versatile for all ages. We will have to pass on your comments to our designer! Meanwhile, do you have a charting device? If so, you can select a basic round necked sweater block with set in sleeves from the pre-printed set and adapt it for this jacket style by allowing for front opening bands at centre front. The hood will be slightly more tricky and you might have to experiment, unless you have another hooded pattern for a child which could be substituted. However, the main thing to remember is that the lower edges of the hood pieces must equal the neck curve measurement of back and fronts. On the original pattern this will be measurement O on the two side hood sections and measurement R on the hood gusset (page 19 September issue). For a child, the overall depth of the hood will be shorter, but you will need sufficient measurement for the hood to fit comfortably around the face from where it joins the front neck. On the original pattern, this is measurement P on the two side hood sections plus measurement F on the hood gusset.

One final tip – when choosing the basic block size, select at least one size larger than the required chest measurement as this is a jacket and you will need extra ease to fit over other clothing!

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Finishing touch

by Angela Gordon

Embroidered surface decoration adds a fashionable finishing touch to your knitwear. Loop stitch embroidery is one technique which can be worked as you knit the main fabric. Select a rich textured yarn such as chenille, pick up your latch tool or crochet hook and find out how easy it is!

My first experiments with this technique began a few years ago, during which time I was working with the yarn end at the back of the fabric. The effects achieved were satisfactory, but it was very difficult to work on large pieces of knitting. However, in 1990 I purchased a book *'Hand Manipulated Stitches'* by Susan Guagliumi, in which a similar effect (called Embossed Embroidery stitches) is illustrated, but working the yarn ends at the front of the knitting. This is much easier to do and great fun – in fact, it became addictive!

With the current popularity of surface decoration on knitwear and constant demands from my City & Guilds students for some decorative technique ideas, I decided to experiment a little further. The four samples here are just some basic ideas to get you going. Once you start to develop your own ideas I am sure that you, too, will become hooked on this technique.

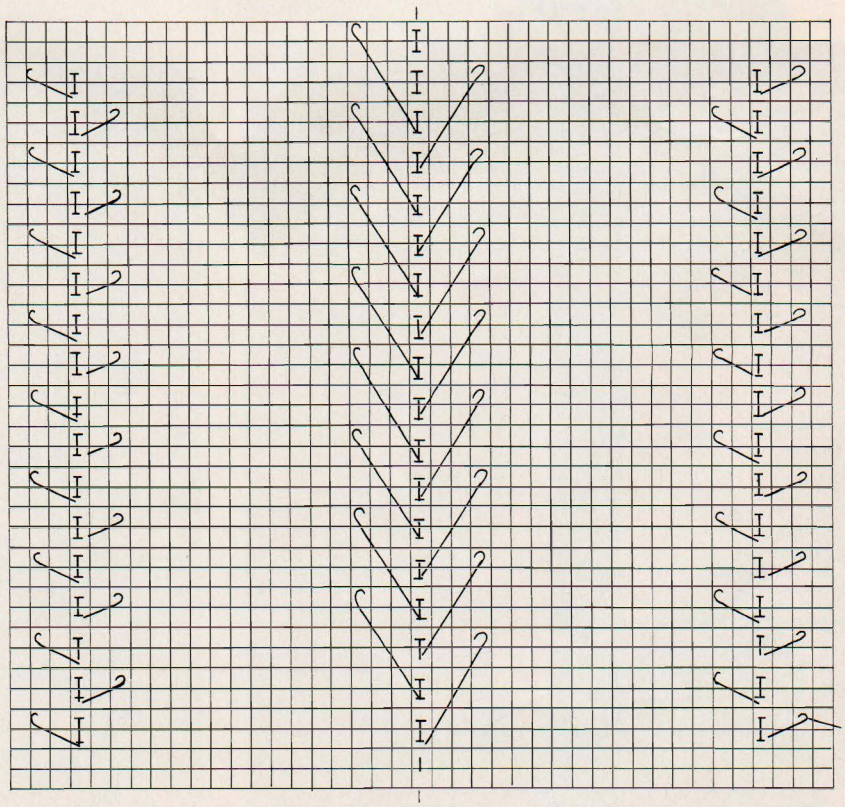
The resulting patterns, which are correct on the purl side of the fabric, are ideal for vertical reversed stocking stitch panels in tuck, slip and weaving. Punchcard knitters will be slightly restricted as to the size of the tuck and embroidery panels according to the width of the punchcard repeat, but electronic knitters will find that they can really go to town.

To combine the Loop Stitch embroidery with Fair Isle or lace would require individual vertical stripes to be knitted and then joined. Alternatively, horizontal stripes of each pattern could be worked and turned with the aid of a garter bar, or on waste knitting.

One of the beauties of this type of embroidery is the variety of yarns that can be used. The decorative yarn is only knitted in on the needle holding the loop. Therefore, by bringing the needles out to holding position and closing the latches before

40 ▶

Sample 1 Diagram



knitting the row, you will be able to use almost any thickness and texture of yarn.

Another advantage is that only a relatively small quantity of the decorative yarn is used for this embroidery. The benefits of this allow a choice from the more expensive silks, Angoras and chenilles for a luxury garment.

I have used Yeoman Chenille on a background of 4 ply pure wool. The chenille is also 4 ply which allows the stitch definition to be more clearly visible. I think I will try this technique on my chunky machine in a cream Aran weight wool with matching chunky chenille for the embroidery, or even work the embroidery in the same yarn to get a plain but textured effect.

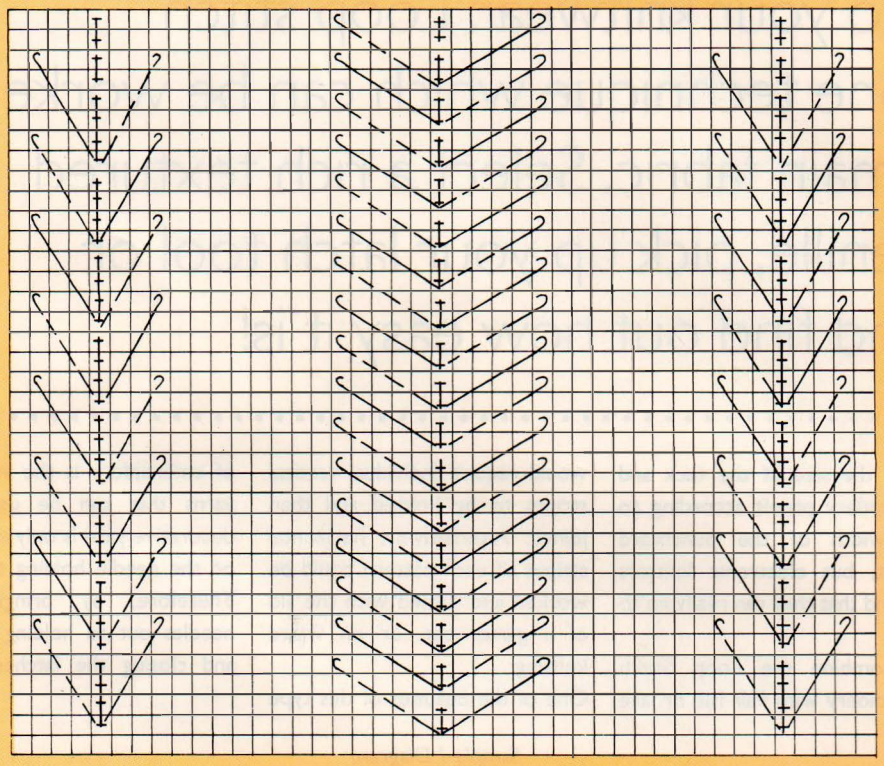
The basic stitch is worked over a central needle out of work. This creates a ladder on to which the contrast yarn is looped through and then caught up on to a needle several rows above. The yarn can be looped through two or more 'rungs' of the ladder. A single run does not provide a stable enough base for the embroidery stitches. At least two rows must be worked with the needles out of work before commencing the loop stitches. If the loop stitch is worked on the first two rungs immediately after they have been knitted, the loops will be almost horizontal on the work. If four rows are knitted and then the loops are worked on the bottom two rungs, a more diagonal loop will result. Likewise, six rows knitted will create an even more vertical result.

For the first three samples, cast on and knit a few rows and then transfer the stitches from the needles indicated on the appropriate diagram to their adjacent needles. Push the empty needles to non-working position.

I have used the latch tool for the first three samples. The tool (or a crochet hook if you prefer) is inserted, from the purl side, under the bottom rung of the ladder and then comes out from behind two or more rungs.

Catch a loop of the contrast yarn in the hook and pull it down behind the ladder and back out under the bottom rung. Continue pulling the loop of yarn until it is long enough to reach the needle on to which it is to be placed. Bring the needle containing the loop right out to holding

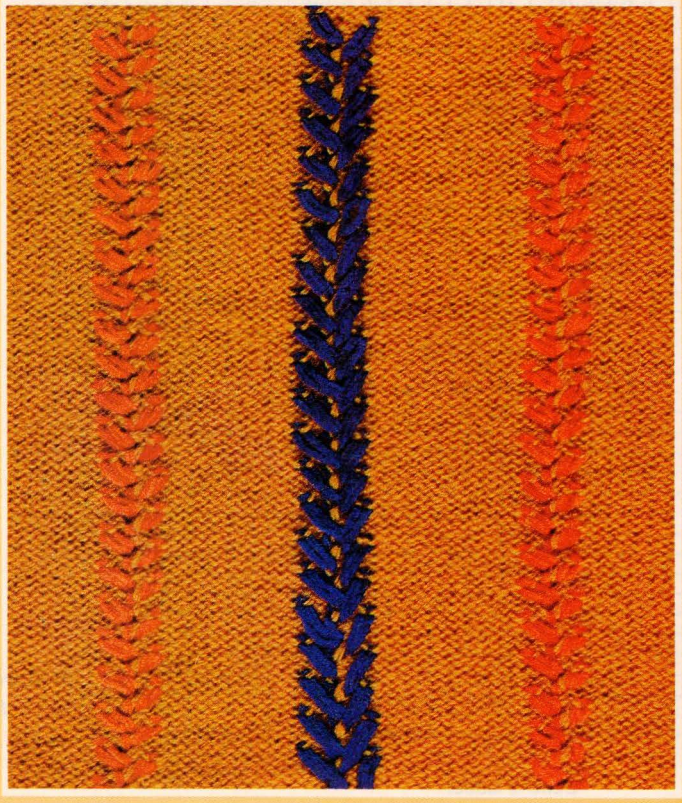
Sample 2 Diagram



= colour 1

= colour 2

SAMPLE 1



SAMPLE 2

position and knit the row (with the holding cams set to knit the needles back).

Loops placed on to the left needles must be taken under the remaining yarn end before being placed on to the needle, otherwise the yarn will be trapped behind the loop in the wrong position for making the next loop. The yarn should always hang down in the centre, next to the ladder. For left handed knitters it is the right loop that needs care.

For the first stitch, either put a peg on to the yarn end, or hold on to it firmly as you pull the loop through. Take care not to pull the yarn too tight or the fabric will pucker. A cast on comb and claw weights, or a lace weight, hung beneath the work will help to keep the tension even.

SAMPLE 1

This shows two variations of the basic stitch. The loops of the central panel are worked six rows down the ladder and on alternate sides every two rows. The outer patterns are worked in the same way but on the current two row loops of the ladder.

KEY: = *Ladder with loop anchored*

= *Loop onto needle*

= *Loop onto 3 needles*

= *Bead onto stitch*

SAMPLE 2

This is a variation on Sample 1 with two colours worked at the same time and the stitches hooked on to needles further away from the ladder.

SAMPLE 3

This sample has beads added to the central panel. After the loops are hooked on to the needle, one row is knitted and then the beads are placed on to the stitch directly above the loop. The outer panels have the loops hooked over three adjacent needles to open them out more.

SAMPLE 4

This sample is slightly different. It is one of my earlier samples and is worked without a ladder and the yarn end is held behind the fabric. I found that a crochet hook was easier to work with for this sample.

For each 'Peacock tail' shape choose the central stitch and bring out to holding position the fifth needle on either side of the centre needle. Insert the crochet hook four rows down, in the space between the centre stitch

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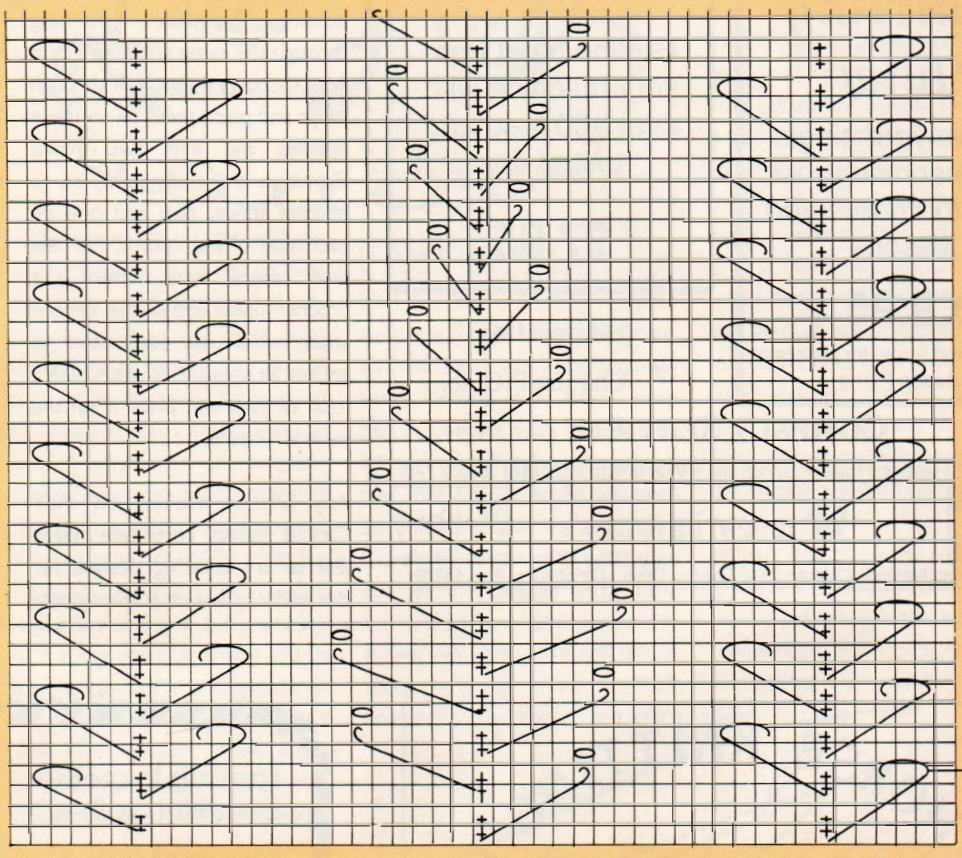


Sample 3 Diagram

Loop on 3 Ns

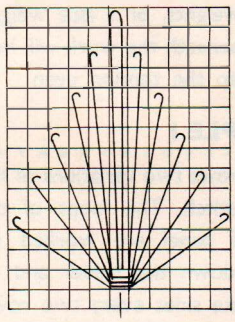
SAMPLE 3

SAMPLE 4

and the first stitch to the right. Catch a loop of contrast yarn from behind the knitting, pull it through and place it on to the needle in hold on the right. Push the crochet hook between the centre stitch and the first stitch on the left (also four rows down) and catch a loop of yarn. Place this loop on the holding needle on the left and knit two rows. Bring needle number four on each side of the centre out to holding position. Working through the same stitch, which is now six rows down, pull through loops and place them on to these needles and knit two rows. Continue in the same way on to needles three, two and one on each side of the centre. For the final centre loop, insert the crochet hook above the central stitch which has been used to anchor all previous loops. Catch a loop of yarn and place it on the central needle.

Any knitter working on their City & Guilds certificate might like to try creating designs for this technique with a Spirograph. This is a design toy for older children but great fun to use and the looped patterns definitely suggest loop stitches to me. Although loops can be pulled through from anywhere on the knitting and placed on to any needle, it is better not to make your designs too complicated or you will never be able to reproduce them in knitting! It is important to remember that long loops on garments catch easily so try to restrict yourself to loops which span a maximum of six needles. Even six can be too loopy in finer yarns, but of course, this does not apply to hangings!

Sample 4 Diagram



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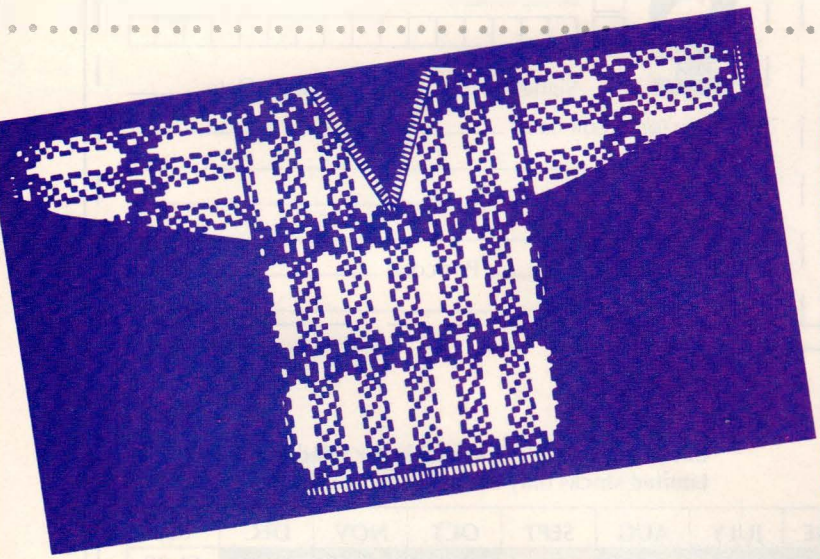
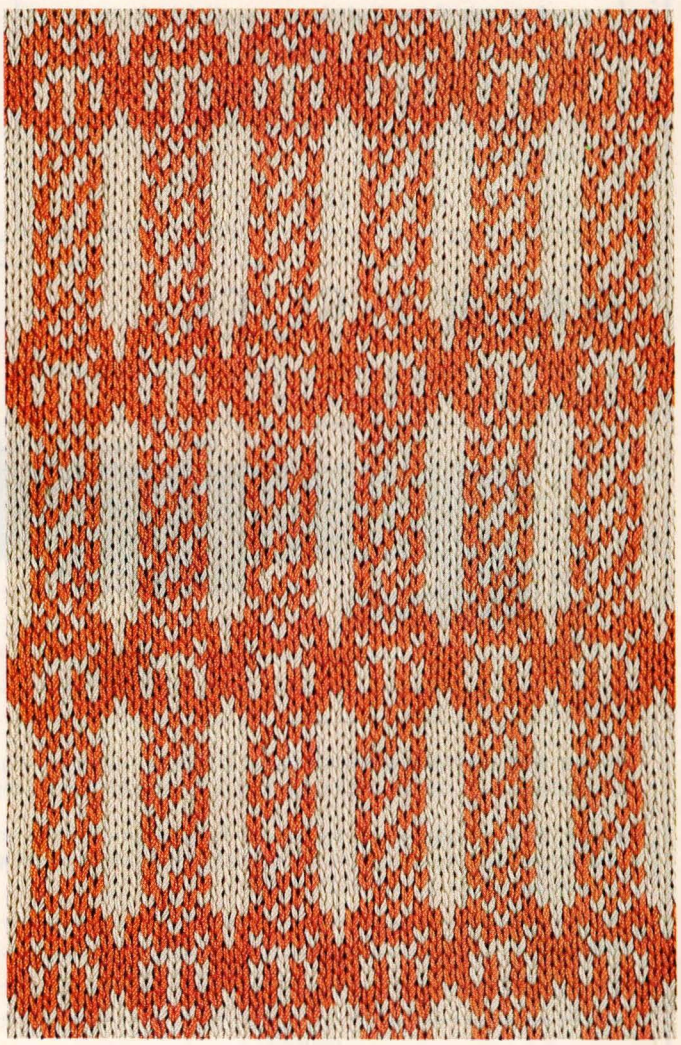
Geometric gallery

by Jane Huntingford

Build up this exclusive and versatile collection of short float Fair Isle designs every month for use on your favourite knitwear patterns. Jane's creative ideas are all based on geometric inspiration and can be used in a variety of ways to produce a really individual look.





SAMPLE 1

'CHIMNEYS'

Whilst sitting in a waiting room browsing through magazine after magazine, I came across an article which caught my attention – all about Victorian terracotta clay chimney pots, which are now collector's items. This triggered my imagination as I could see that there was plenty of scope for an interesting geometric design.
Further research into the various styles and patterns led me to design 'Chimneys'.

DESIGN IDEAS

'Chimneys' is an all-over geometric pattern which is suitable for 24 stitch punchcard and electronic machines. The design can be easily adapted to make an attractive border pattern by using the first 20 rows of the punchcard pattern (one complete electronic repeat) only.
'Chimneys' has a very sophisticated image and is particularly suitable for menswear but the ladies should find it a very versatile design which can be used in a number of ways in their favourite colour combinations. Be daring and experiment with unusual colour and yarn combinations to create different effects.

SAMPLE 2

You could be pleasantly surprised! The illustrated samples are knitted in Brockwell Yarns 4 ply Mercerised Cotton.

SAMPLE 1

(24 stitch Punchcard and Electronic Machines)

'Chimneys' design used as an all-over pattern (Ecru background: shade 601 with Tan contrast: shade 630).

SAMPLE 2

(24 stitch Punchcard and Electronic Machines)

'Chimneys' design used as a border pattern by knitting the first 20 rows of the punchcard pattern or one repeat of the electronic pattern. (Colours as Sample 1 but reversed).

SAMPLE 3

(Electronic Machines)

'Chimneys' all-over design using the REFLECTION pattern variation facility – the point of contact between patterning is overlapped for one row. (Ecru/Gold Lurex mix background: shade 4 with Purple contrast: shade 657).

SAMPLE 4

(24 stitch Punchcard and Electronic Machines)

'Chimneys' all-over design using the FIRST 7 ROWS ONLY as the repeat, plus the DOUBLE LENGTH pattern facility. Punchcard owners can punch out the card repeating the first 7 rows and set the machine to knit every row twice OR, if this facility is not available, punch each row of the repeat twice on the card. This creates a dramatic abstract pattern. (Colours as Sample 3 but reversed.)

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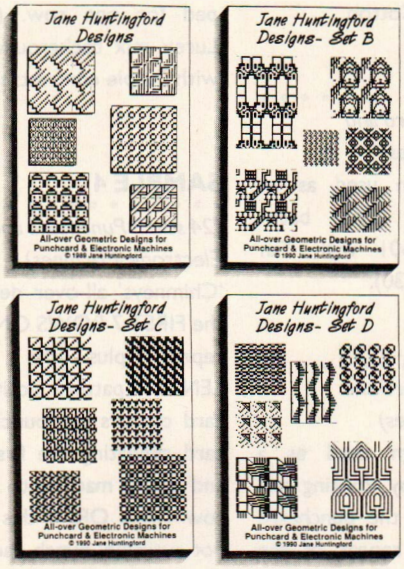
SAMPLE 3

SAMPLE 4

Geometric designs for 24 stitch punchcard and electronic machines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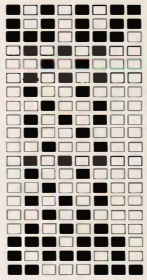
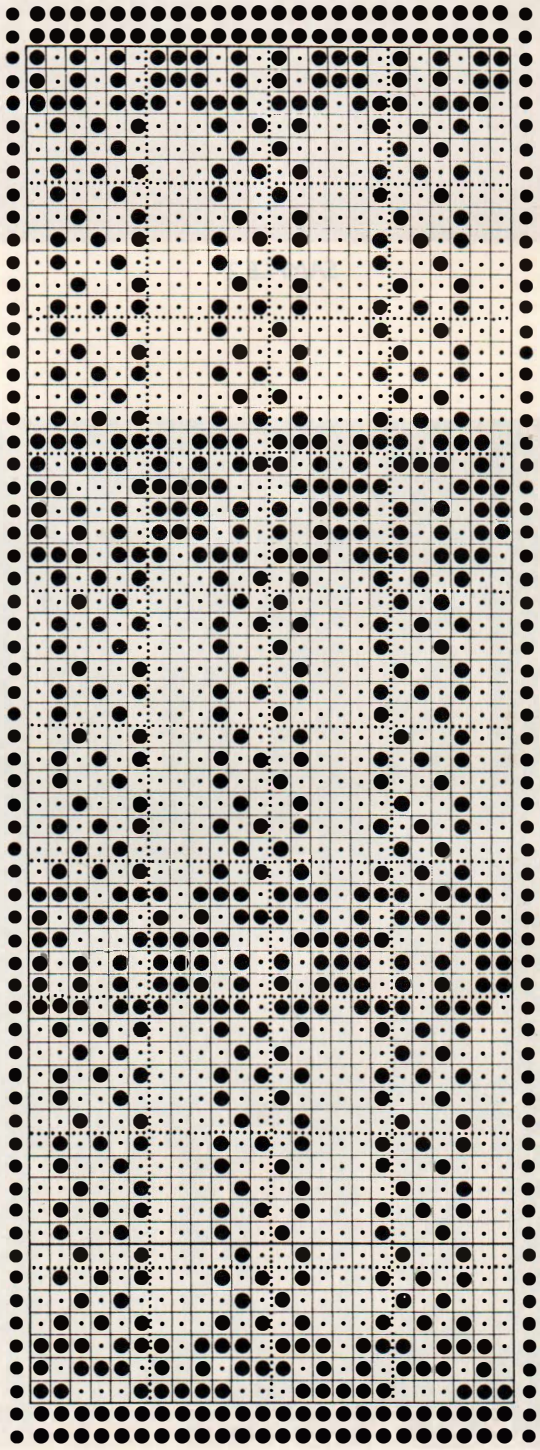


Electronic Repeat

Note: See individual instructions for border pattern.



Punchcard All-over Pattern

Jacquard sweater

Strong patterning bands with a touch of sparkle create a bright contrast to wear with winter separates – in float-free jacquard, it's the ideal fabric.

BACK AND FRONT ALIKE

With carriage at right, push 131 (140) Ns on each bed at centre to WP with extra st at right on first size. * Arrange Ns for 2×2 rib (2×1 N arrangement). Using MT−5/MT−5 and 2 strands of MC, cast on. Using MT−3/MT−3, K 2 tubular rows. Carriage is at left. Set machine for 2×2 rib knitting. Set RC at 000. Using MT/MT, K 34 rows. Insert card and lock on first row. Set cams and buttons. Push empty Ns on both beds to WP. Using 1 strand of MC, K 1 row. K 2 tubular rows. Carriage is at right. Press button 6 (right light shows on button 1) *. Set RC at 000. Release card and cont in double jacquard. K 1 row. Cont in stripes of 2 rows C and 2 rows MC. K 203 rows. RC shows 204.

Shape Armholes

Cast off 10 sts on each bed at beg of next 2 rows. 111 (120) sts on each bed. K 166 (172) rows. RC shows 372 (378). Transfer sts to back bed. Using MT+4 and MC, K 1 row. Cast off with a latch tool.

SLEEVES

With carriage at right, push 65 Ns on each bed at centre to WP with extra st at right. Work as for back and front from * to *. Set RC at 000. Release card and cont in double jacquard. K 1 row. Cont in stripes of 2 rows C and 2 rows MC. K 7 (6) rows. Shape sides by inc 1 st on each bed at each end of next and every foll 9th (8th) row until there are 97 (121) sts on each bed, then on every foll 9th (10th) row until there are 129 (133) sts on each bed. K 0 (4) rows. RC shows 288. Place marker at each end. K 24 rows. Transfer sts to back bed. Using MC, cast off loosely.

NECKBAND

With carriage at right, push 152 Ns on each bed to WP. Arrange Ns for 2×2 rib (2×1 N arrangement). Using MT−3/MT−3 and 2 strands of MC, cast on and K 2 tubular rows. Carriage is at left. Set machine for 2×2 rib knitting. Using MT+1/MT+1, K 4 rows. Using MT/MT, K 4 rows. Using MT−1/MT−1, K 6 rows. Using MT/MT, K 4 rows. Using MT+1/MT+1, K 4 rows. Transfer sts for st st. Using MT+2, K 1 row. Using MT+3, K 1 row. Using WY, K a few rows and release from machine.

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FOR STANDARD GAUGE ELECTRONIC MACHINES WITH COLOUR CHANGER AND RIBBER

We used a Silver Reed SK840. If you don't have a ribber work in mock rib as page 63.

SIZES

To fit bust 102 (107) cm, 40 (42) in.
Actual size 112 (120) cm, 44 (47) in.
Length to shoulder 69 (70) cm, 27 (27½) in.
Sleeve seam 55 cm, 21½ in.

Instructions are written for the first size, larger size follows in brackets. If only one figure is given, it applies to both sizes.

MATERIALS

Celandine Spangles.
1×500g cone in Jade (MC).
1×500g cone in Jade/Charcoal (C).

GARMENT WEIGHT

Finished garment in 1st size weighs 375g.
The fibre content of this yarn is 80% Acrylic, 20% Nylon.

TENSION

23 stitches on each bed and 60 rows to 10 cm, 4 in measured over double jacquard (tension dial approximately 6/6).
For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 63.

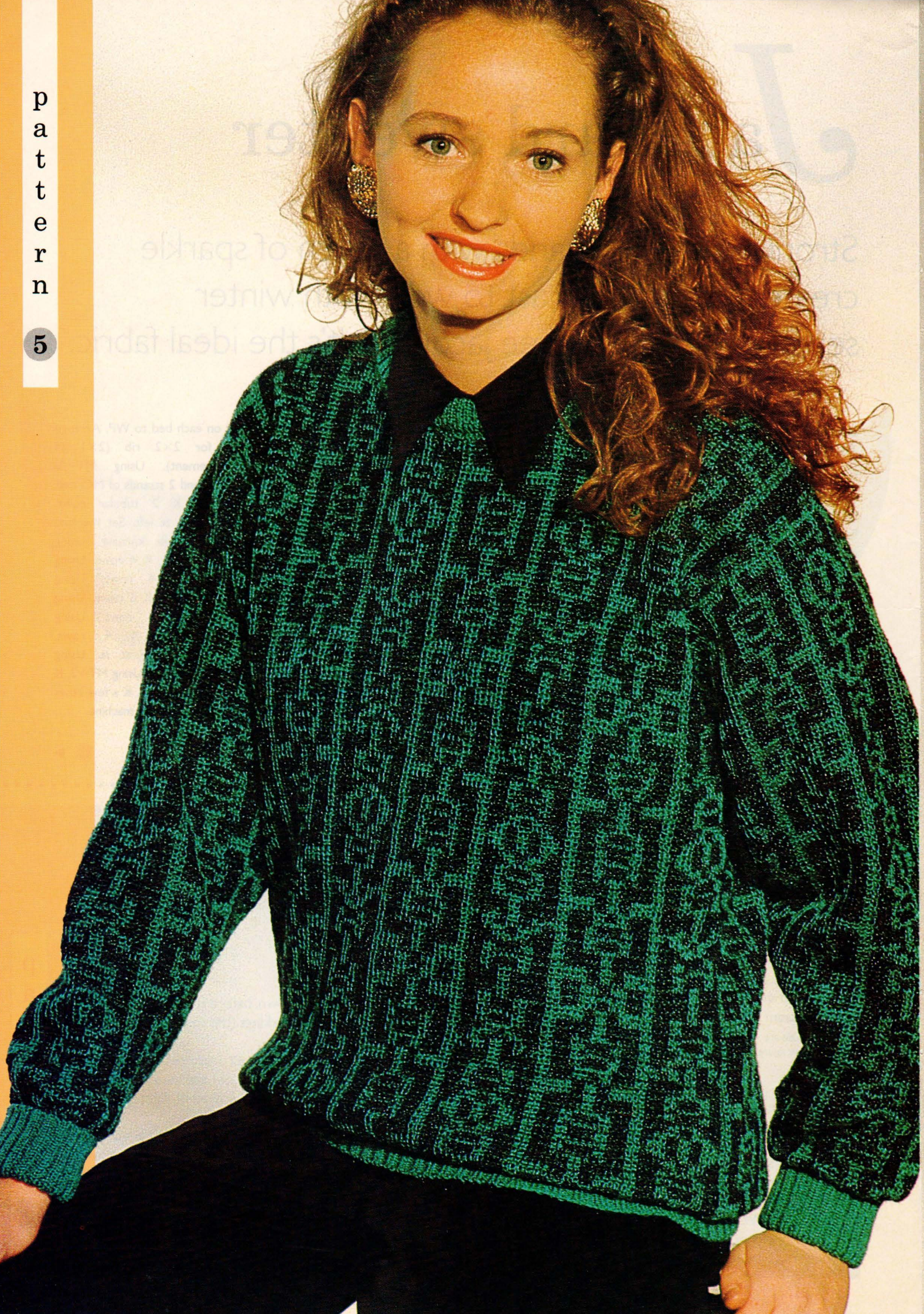
KNITTING NOTES

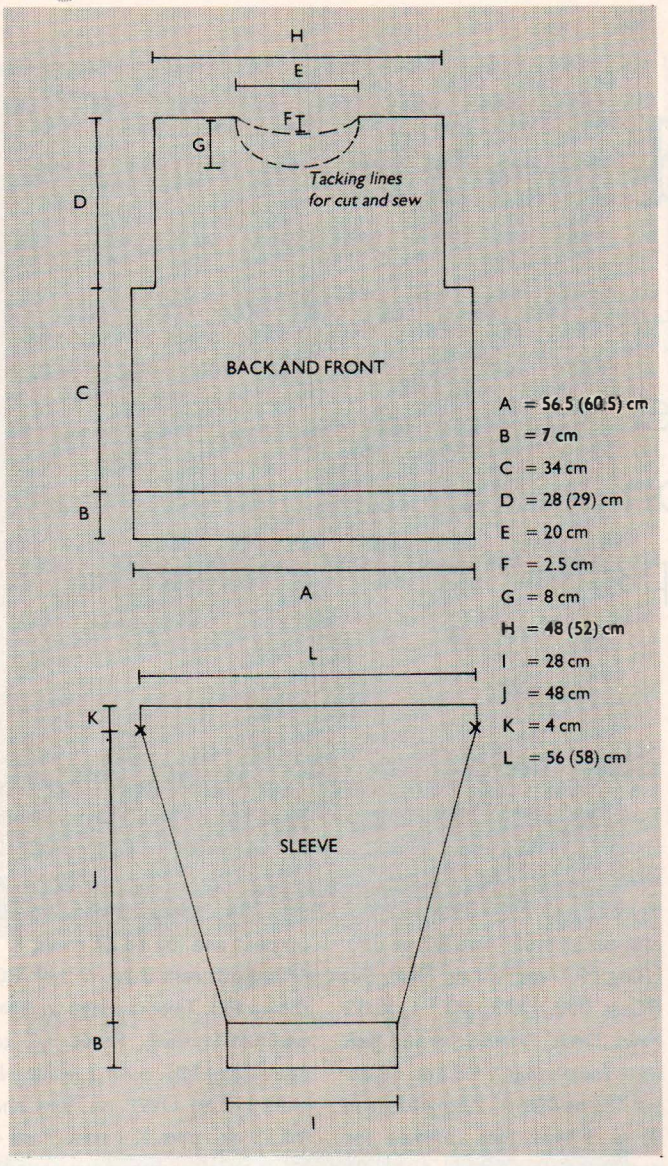
Fill in pattern card, as shown, before starting to knit, taking care to copy all markings (the sheet should reverse automatically).
Set pattern width indicator to 32. Place needle 1 cam at centre. Press button 1 (left light on) and button 2 (left light on for SK850 and SK840 machines or right light on for other models).
The neckline is 'cut and sewn'. Use the shaded outline sup rimposed above to make the neck template. Follow the upper curve for the back neckline and lower curve for the front neckline.

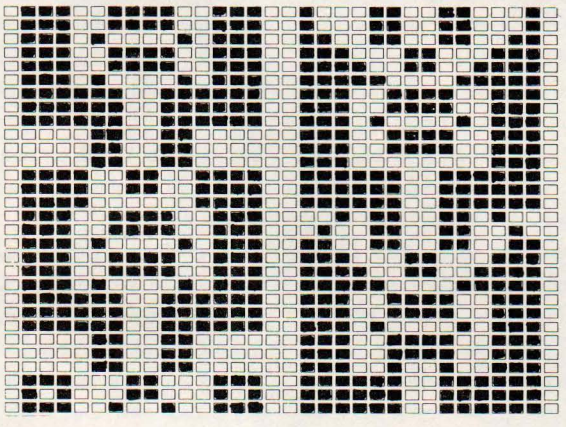
If you have any difficulty locating this yarn, please write to the address below for local stockist and mail order information. Please quote this issue of *Modern Machine Knitting*.
Celandine Ltd., 44 Kirkgate, Otley, West Yorkshire LS21 3HJ.

pattern 5

pattern 5







Pattern card

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press lightly with a dry iron.

MAKING UP

Make templates for back and front neck following shaded outline on page 47. Place templates on back and front. Tack around shape. With a sewing machine and using a medium zig-zag st, sew 2 rows close tog just above tacking line. Cut out neck. Join shoulder and neckband seams. Pin neckband into position. Unravelling WY as required, backstitch through open loops of last row worked in MC. Fold in half to inside and catch down, encasing cut neck edge. Set in sleeves sewing rows above markers to cast off stitches at armholes. Join side and sleeve seams.

Trousers, French Connection; Shirt, Hyper Hyper; Earrings; Fenwick

50 FREE TICKETS

Here is the chance to obtain a FREE ticket to the second 'Co swold Knitting Fashion & Needlecraf s Exhibition' which takes place at Cheltenham Town Hall, Gloucestershire on Friday 15th, Saturday 16th and Sunday 17th January 1993. The doors will open at 10.00am and close at 5.30pm each day, giving visitors plenty of time to browse around and enjoy the displays, demonstrations and special guest speaker talks.

The Exhibition will be of interest to both hand and machine knitters as well as other needlecraft enthusiasts, offering a wide varie y of machines, accessories, yarn ranges, threads, trimmings, sewing and knitting kits plus a superb selection of patterns and design ideas to suit all levels and tastes. There will also be an entire section devoted to specialist crafts including jewellery, s ained glass, woodwork, leather goods and bronze figurines. Admission costs £2.50 per ticket – accompanied children free; Senior Citizens £1.50 per ticket. (Please write to Premier Exhibitions, Premier House, 49 Rodney Road, Cheltenham GL50 1HX or 'phone 0242 516738 for advance ticket information).

The show organisers, Premier Exhibitions, are generously giving away 50 FREE tickets to MMK readers – to enter for one, please print your name, address and postcode clearly on a postcard and send it to COTSWOLD OFFER MMK, 3 Bridge Avenue, Maidenhead, Berkshire SL6 1RR. We will draw the lucky names from the pos bag!

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Bright and bold

Citrus brights and bold patterning combine to creat this colourful winter sweater - longline in style and chunky for warmth. You don't need the intarsia facility for this design - the patterning is worked by partial knitting!

FOR 6.5 mm (DOUBLE KNITTING) MACHINES

SIZES

To fit bust 87-92 cm, 34-36 in.
Actual size 109 cm, 43 in.
Length to shoulder 79.5 cm, 31 in.
Sleeve seam 44.5 cm, 17½ in.

MATERIALS

Spectrum Detroit DK
3×100g balls in Melon (MC).
2×100g balls in Inca (A).
2×100g balls in Portofino (B).
GARMENT WEIGHT
Finished garment weighs 505g.
The fibre content of this yarn is 100% Courtelle Acrylic.

TENSION

21½ stitches and 30 rows to 10 cm, 4 in measured over stocking stitch (tension dial approximately 3).
For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 63.

KNITTING NOTES

Stocking stitch with partial knitting.
When shaping in HP, always take yarn round first inside N in HP to prevent a hole forming.

If you have any difficulty locating this yarn, please write to the address below for local stockist and mail order information. Please quote this issue of *Modern Machine Knitting*.
Spectrum Yarns, Spa Mills, New Street, Slaithwaite, Huddersfield HD7 5BB.

pattern 6

RIGHT BACK

Push 59 Ns to WP. * Using MT and WY, cast on and K a few rows ending with carriage at right. Push Ns to HP. Using MC, cast on by hand. Set RC at 000. Using MC, cast on by hand. Set RC at 000. Using MT−1, K 12 rows. Drop every alt st and pick up as for ribbing *. Inc 1 st. 60 sts. Set RC at 000 **. Using MT and A, K 1 row. Set carriage for partial knitting. Push 4 Ns at opposite end to carriage to HP on next and foll 13 alt rows. K 1 row. Push rem 4 Ns to HP. RC shows 29. Take carriage to right without knitting. Reset RC to 1. Using B, push 4 inside Ns from HP to UWP on next and foll 14 alt rows. K 1 row. Push 2 Ns at opposite end to carriage to HP on next and foll 28 alt rows, K 1 row. Push rem 2 Ns to HP. RC shows 89. Take carriage to left without knitting. Reset RC to 31. Using MC, push 2 inside Ns from HP to UWP on next and foll 29 alt rows, K 3 rows. Push 4 Ns at opposite end to carriage to HP on next and foll 13 alt rows, K 1 row. Push rem 4 Ns to HP. RC shows 121. Take carriage to right without knitting. Reset RC to 93. Using A, push 4 inside Ns from HP to UWP on next and foll 14 alt rows, K 1 row. Push 4 Ns at opposite end to carriage to HP on next and foll 13 alt rows, K 1 row. Push rem 4 Ns to HP. RC shows 151. Take carriage to left without knitting. Reset RC to 123. Using B, push 4 inside Ns from HP to UWP on next and foll 14 alt rows. K 3 rows. RC shows 155 ***. Push 3 Ns at opposite end to carriage to HP on next and foll 18 alt rows, K 1 row. Push rem 3 Ns to HP. RC shows 193. Take carriage to right without knitting. Reset RC to 155. Using MC, push 3 inside Ns from HP to UWP on next and foll 19 alt rows, K 1 row. Push 4 Ns at opposite end to carriage to HP on next and foll 13 alt rows, K 1 row. Push rem 4 Ns to HP. RC shows 223. Take carriage to left without knitting. Reset RC to 195. Using A, push 4 inside Ns from HP to UWP on next and foll 14 alt rows, K 2 rows. RC shows 226.

Shape Neck and Shoulder

Cast off 20 sts at beg of next row, 8 sts at beg of next row and 7 sts at beg of next row. Dec 1 st at neck edge and cast off 8 sts at beg of next row. Dec 1 st at neck edge of next row. Dec 1 st at neck edge and cast off 8 sts at beg of next row, K 1 row. RC shows 233. Cast off rem 6 sts.

LEFT BACK

Work as for right back to **. Using MT and B, K 2 rows. Set carriage for partial knitting. Push 3 Ns at opposite end to carriage to HP on next and foll 18 alt rows, K 1 row. Push rem 3 Ns to HP. RC shows 40. Take carriage to left without knitting. Reset RC

Jeans, *BSCO*

52 ▶

pattern 6

to 2. Using MC, push 3 inside Ns from HP to UWP on next and foll 19 alt rows, K 1 row. Push 4 Ns at opposite end to carriage to HP on next and foll 13 alt rows, K 1 row. Push rem 4 Ns to HP. RC shows 70. Take carriage to right without knitting. Reset RC to 42. Using A, push 4 inside Ns from HP to UWP on next and foll 14 alt rows, K 1 row. Push 4 Ns at opposite end to carriage to HP on next and foll 13 alt rows, K 1 row. Push rem 4 Ns to HP. RC shows 100. Take carriage to left without knitting. Reset RC to 72. Using B, push 4 inside Ns from HP to UWP on next and foll 14 alt rows. K 3 rows. Push 2 Ns at opposite end to carriage to HP on next and foll 28 alt rows, K 1 row. Push rem 2 Ns to HP. RC shows 162. Take carriage to right without knitting. Reset RC to 104. Using MC, push 2 inside Ns from HP to UWP on next and foll 29 alt rows, K 1 row. Push 4 Ns at opposite end to carriage to HP on next and foll 13 alt rows, K 1 row. Push rem 4 Ns to HP. RC shows 192. Take carriage to left without knitting. Reset RC to 164. Using A, push 4 inside Ns from HP to UWP on next and foll 14 alt rows, K 3 rows. RC shows 196 ***. Push 4 Ns at opposite end to carriage to HP on next and foll 13 alt rows, K 1 row. Push rem 4 Ns to HP. RC shows 224. Take carriage to right without knitting. Reset RC to 196. Using B, push 4 inside Ns from HP to UWP on next and foll 14 alt rows, K 2 rows. RC shows 227.

Shape Neck and Shoulder

Cast off 20 sts at beg of next row, 8 sts at beg of next row and 7 sts at beg of next row. Dec 1 st at neck edge and cast off 8 sts at beg of next row. Dec 1 st at neck edge of next row. Dec 1 st at neck edge and cast off 8 sts at beg of next row. RC shows 233. Cast off rem 6 sts.

LEFT FRONT

Work as for right back to ***. Push 6 Ns at opposite end to carriage to HP on next and foll 8 alt rows, K 1 row. Push rem 6 Ns to HP. RC shows 173. Take carriage to right without knitting. Reset RC to 155. Using MC, push 6 inside Ns from HP to UWP on next and foll 9 alt rows, K 1 row. Push 3 Ns at opposite end to carriage to HP on next and foll 18 alt rows, K 1 row. Push rem 3 Ns to HP. RC shows 213. Take carriage to left without knitting. Reset RC to 175. Using A, push 3 inside Ns from HP to UWP on next and foll 19 alt rows, K 2 rows. RC shows 216.

Shape Neck

Cast off 16 sts at beg of next row, K 1 row. Cast off 8 sts at beg of next row. Dec 1 st at neck edge of next 6 rows. 30 sts. K 2 rows. RC shows 227.

Shape Shoulder

Cast off 8 sts at beg of next and foll 2 alt rows, K 1 row. RC shows 233. Cast off rem 6 sts.

RIGHT FRONT

Work as for left back to ***. Push 6 Ns at opposite end to carriage to HP on next and foll 8 alt rows, K 1 row. Push rem 6 Ns to HP. RC shows 214. Take carriage to right without knitting. Reset RC to 196. Using B, push 6 inside Ns from HP to UWP on next and foll 9 alt rows, K 2 rows. RC shows 217.

Shape Neck

Cast off 16 sts at beg of next row, K 1 row. Cast off 8 sts at beg of next row. Dec 1 st at neck edge of next 6 rows. 30 sts. K 2 rows. RC shows 228.

Shape Shoulder

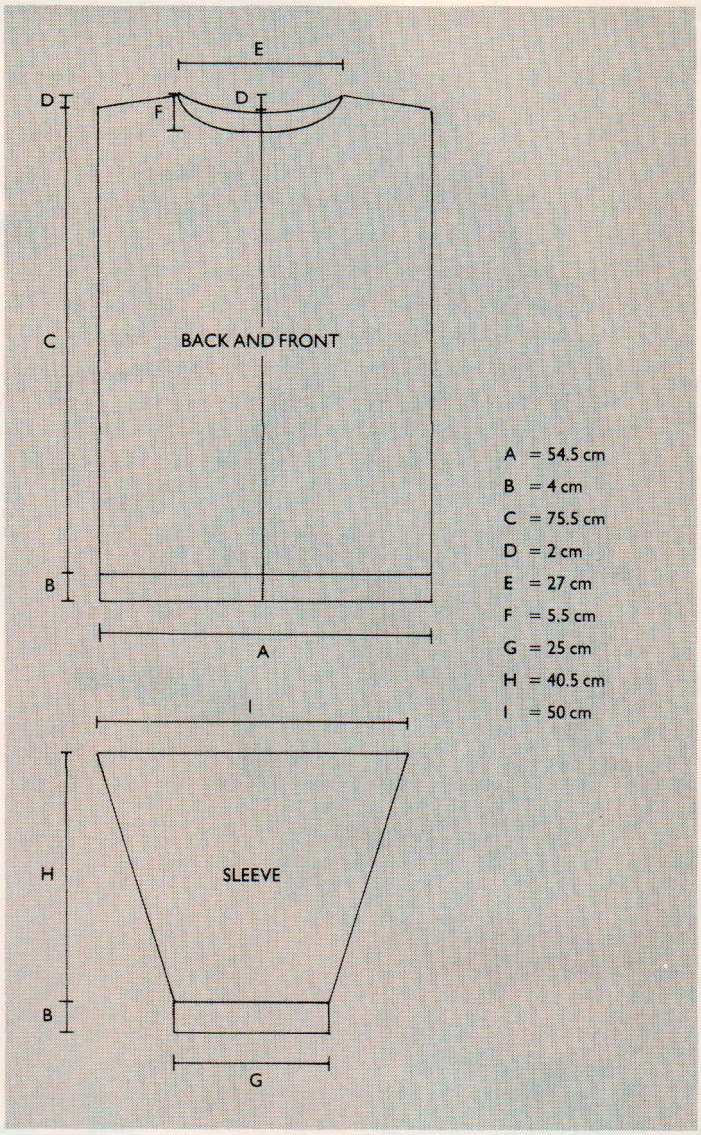
Cast off 8 sts at beg of next and foll 2 alt rows. RC shows 233. Cast off rem 6 sts.

RIGHT SLEEVE

Push 53 Ns to WP. Work as for right back from * to *. Inc 1 st. 54 sts. Set RC at 000. Using MT and A, K 2 rows. Set carriage for partial knitting. Shape side by inc 1 st at right edge on every 4th row and, AT THE SAME TIME, push 3 Ns at opposite end to carriage to HP on next and foll 19 alt rows, K 1 row. Push rem 4 Ns to HP. RC shows 42. Take carriage to left without knitting. Reset RC to 2. Using B, shape side by inc 1 st at left edge on every 4th row and, AT THE SAME TIME, push 3 inside Ns from HP to UWP on next and foll 19 alt rows, K 1 row. Push rem 4 Ns from HP to UWP. 74 sts. K 3 rows. Inc 1 st at each end of next and every foll 4th row until there are 84 sts. RC shows 62. Inc 1 st at left edge on every 4th row and, AT THE SAME TIME, push 4 Ns at opposite end to carriage to HP on next and foll 22 alt rows, K 1 row. Push rem 3 Ns to HP. RC shows 108. Take carriage to right without knitting. Reset RC to 62. Using MC, inc 1 st at right edge on every 4th row and, AT THE SAME TIME, push 4 inside Ns from HP to UWP on next and foll 22 alt rows, K 1 row. Push rem 3 Ns from HP to UWP. RC shows 108. K 1 row. Inc 1 st at each end of next row. 108 sts. K 12 rows. RC shows 122 and work measures 44.5 cm, 17½ in. Cast off.

LEFT SLEEVE

Work as for right sleeve using B instead of A and A instead of B.



NECKBAND

Push 105 Ns to WP. Work as for right back from * to *. Using WY, K a few rows and release from machine.

PRESSING

Join centre back and centre front seams. With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on ball band.

MAKING UP

Join shoulder seams. Set in sleeves matching centre to shoulder seam. Join side, sleeve and neckband seams. Pin neckband into position. Unravelling WY as required, backstitch through open loops of last row worked in MC.

Stripes & zig-zags

Black and jade contrast in an alternating stripe and zig-zag sequence on this casual four ply sweater. Knit the pattern all-over or highlight an area - you'll come up with some great combinations!

BACK

With carriage at right and using MC, cast on 148 (154, 162, 168, 170) sts at centre in 1×1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT–4/MT–4, K 25 rows. Transfer sts for st st. Set RC at 000. Using MT, K 35 (35, 35, 39, 39) rows. Cont in Fair Isle and stripe patt, K 158 rows. Cont in MC *. K 64 (64, 64, 70, 70) rows. RC shows 257 (257, 257, 267, 267) and work measures 71.5 (71.5, 71.5, 74, 74) cm, 28¼ (28¼, 28¼, 29¼, 29¼) in.

Shape Shoulders

Cast off 23 (26, 27, 30, 31) sts at beg of next 2 rows and 23 (23, 26, 26, 29) sts at beg of foll 2 rows. Using WY, K a few rows over rem 56 sts and release from machine.

FRONT

Work as for back to *. K 24 (24, 24, 30, 30) rows. 40 rows less have been worked to shoulder than on back.

Shape Neck

Push 87 (90, 94, 97, 101) Ns at left to HP and cont on rem sts for first side. Dec 1 st at neck edge of every row until 46 (49, 53, 56, 60) sts rem. K 25 rows.

Shape Shoulder

Cast off 23 (26, 27, 30, 31) sts at beg of next row. K 1 row. Cast off rem 23 (23, 26, 26, 29) sts. With carriage at right, push 26 Ns at right from HP to UWP. Using WY, K a few rows and

55 ▶

FOR STANDARD GAUGE MACHINES WITH A RIBBER

If you don't have a ribber, work ribs in mock rib as page 63.

SIZES

To fit chest 92 (97. 102, 107, 112) cm, 36 (38, 40, 42, 44) in.
Actual size 104 (108, 114, 118, 124) cm, 41 (42½, 45, 46½, 48¾) in.
Length to shoulder 71.5 (71.5, 71.5, 74, 74) cm, 28¼ (28¼, 29¼, 29¼, 29¼) in.
Sleeve seam 49.5 (49.5, 49.5, 52, 52) cm, 19½ (19½, 19½, 20½, 20½) in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given. it applies to all sizes.

MATERIALS

Tivoli Killowen 4ply
1 (1, 2, 2, 2) × 500g cones in Grey (MC).
1 × 100g ball in Black (A).
1 × 100g ball in Jade (B).

GARMENT WEIGHT

Finished garment in fourth size weighs 605g.
The fibre content of this yarn is 100% Pure New Wool.

TENSION

28 stitches and 40 rows to 10 cm, 4 in measured over stocking stitch (tension dial approximately 6).
28 stitches and 37 rows to 10 cm, 4 in measured over Fair Isle (tension dial approximately 8).
For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 63.

KNITTING NOTES

We used knit side of knitting as right side of garment.
Punch card, as shown, before starting to knit.
Knit two colour Fair Isle rows with first colour given in back feeder 1/A to knit background and second colour given in front feeder 2/B to knit contrast pattern.

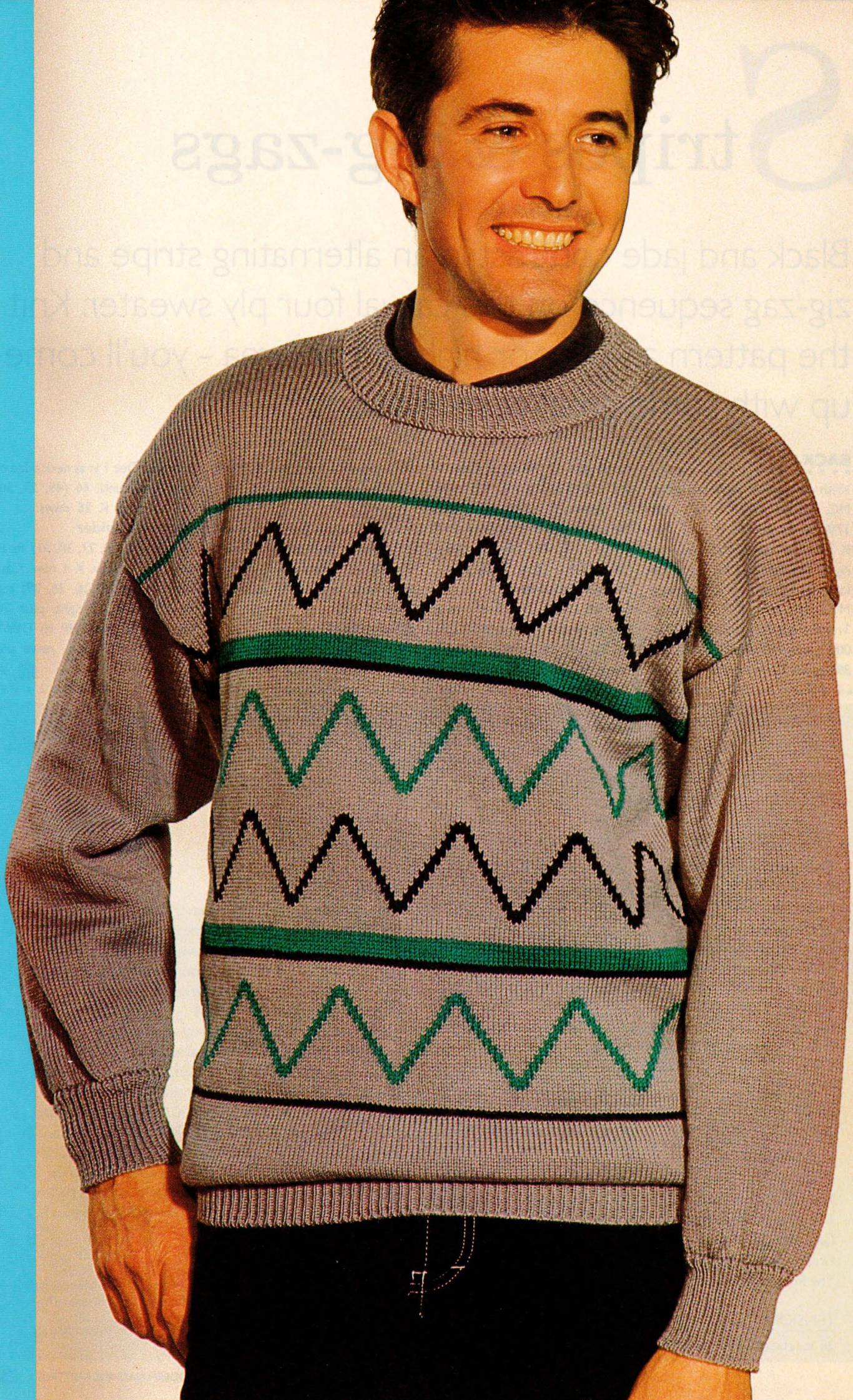
Fair Isle and Stripe Pattern

Insert punchcard and lock on first row. K 2 rows A and 6 rows MC. Release card and cont in Fair Isle. K 24 rows MC/B. Lock card on first row. Cont in st st. K 6 rows MC, 2 rows A, 6 rows B and 6 rows MC. Release card and cont in Fair Isle. K 24 rows MC/A. Lock card on first row. Cont in st st. K 6 rows MC. Release card and cont in Fair Isle. K 24 rows MC/B. Lock card on first row. Cont in st st. K 6 rows MC, 2 rows A, 6 rows B and 6 rows MC. Release card and cont in Fair Isle. K 24 rows MC/A. Remove card. Cont in st st. K 6 rows MC and 2 rows B. These 158 rows form pattern.

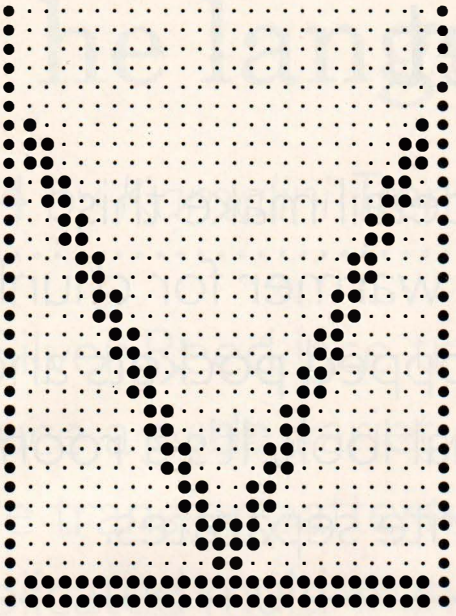
If you have any difficulty locating this yarn, please write to the address below for local stockist and mail order information. Please quote this issue of *Modern Machine Knitting*.
Tivoli Spinners Ltd., 28 Aulton Road, Sutton Coldfield, West Midlands B75 5PY.

pattern 7

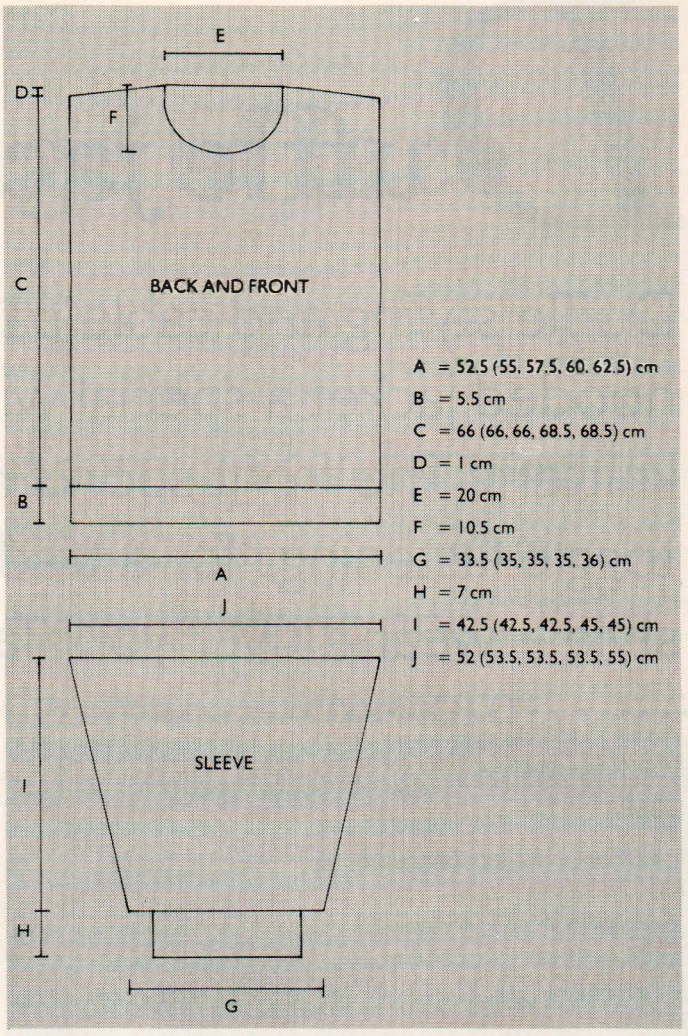
pattern 7



pattern 7



Punchcard chart



release from machine. With carriage at left, push rem Ns from HP to UWP. Finish to correspond with first side, reversing shapings.

SLEEVES

Push 94 (98, 98, 98, 102) Ns to WP. Using MT and WY, cast on and K a few rows ending with carriage at right. Set RC at 000. Using MC, K 9 rows. Shape sides by inc 1 st at each end of next and every foll 6th row until there are 146 (150, 150, 150, 154) sts. K 10 (10, 10, 20, 20) rows. RC shows 170 (170, 170, 180, 180) and work measures 42.5 (42.5, 42.5, 45, 45) cm, 16¾ (16¾, 16¾, 17¾, 17¾) in. Cast off.

CUFFS

With carriage at right and using MC, cast on 74 (78, 78, 78, 82) sts at centre in 1×1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT−4/MT−4, K 30 rows. Transfer sts for st st. With P side facing, replace 94 (98, 98, 98, 102) sts from lower edge of sleeve on to Ns, gathering evenly. Using MT−1, K 1 row. Cast off.

NECKBAND

Join right shoulder seam. Push 152 Ns to WP. With carriage at right and K side facing, pick up 35 sts down left side of front neck, 26 sts across front neck, 35 sts up right side of front neck and 56 sts across back neck and place on to Ns. Unravel WY. Using MC, K 1 row. With ribber in position, set machine for 1×1 rib. Transfer every alt st on to corresponding N on ribber. Cont in 1×1 rib. Using MT−4/MT−4, K 30 rows. Transfer sts for st st. K 1 row. Using WY, K a few rows and release from machine.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP

Join left shoulder and neckband seam. Set in sleeves matching centre to shoulder seam. Join side and sleeve seams. Fold neckband in half to right side and pin in position. Unravelling WY as required, backstitch through open loops of last row worked in MC.

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Jeans and Shirt, *French Connection*

Duffle jacket

Duffle styling and cable panel detail make this hooded jacket a special winter warmer for chunky knitters. The front sports rib topped pockets and toggle fastenings for a traditional look. It's a roomy style – wear it over your favourite separates.

pattern 8

FOR 9 mm CHUNKY GAUGE MACHINES WITH A RIBBER

If you don't have a ribber, work ribs in mock rib as page 63.

SIZES

To fit chest 87 (92, 97, 102, 107) cm, 34 (36, 38, 40, 42) in.
Actual size 134 (140, 145, 151, 157) cm, 52¾ (55, 57, 59½, 61¾) in.
Length to shoulder 73 (73, 75, 75, 77) cm, 28¾ (28¾, 29½, 29½, 30¼) in.
Sleeve seam 51 cm, 20 in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

MATERIALS

Spectrum Aran
8 (8, 9, 9, 10) × 100g balls in Grape (MY).
2 stitch holders.
7 toggles.

GARMENT WEIGHT

Finished garment in second size weighs 745g.
The ibre content of this yarn is 80% Acrylic, 20% Wool.

TENSION

14 stitches and 20 rows to 10 cm, 4 in measured over stocking stitch (tension dial approximately 9··).
For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 63.

KNITTING NOTES

Count Ns in NWP as sts throughout.
Cable Pattern – See chart.

If you have any difficulty locating this yarn, please write to the address below for local stockist and mail order information. Please quote this issue of *Modern Machine Knitting*.
Spectrum Yarns, Spa Mills, New Street, Slaithwaite, Huddersfield HD7 5BB.

BACK

With carriage at right and using MY, cast on 94 (98, 102, 106, 110) sts in 2×2 rib at centre. * K 3 tubular rows. Carriage is at right. Set machine for 2×2 rib knitting. Set RC at 000. Using MT–5/MT–5, K 20 rows. Transfer sts for st st *. Set RC at 000. Using MT, K 70 (70, 74, 74, 78) rows. Work measures 43 (43, 45, 45, 47) cm, 17 (17, 17¾, 17¾, 18½) in. Place marker at each end. K 60 rows. RC shows 130 (130, 134, 134, 138) and work measures 73 (73, 75, 75, 77) cm, 28¾ (28¾, 29½, 29½, 30¼) in. Using a length of MY, cast off centre 24 sts. Push 35 (37, 39, 41, 43) Ns at left to HP. Using WY, K a few rows over rem 35 (37, 39, 41, 43) sts and release from machine. Push Ns from HP to UWP. Using WY, K a few rows and release from machine.

POCKET LININGS

Push 26 Ns at centre to WP. Using MT and WY, cast on and K a few rows ending with carriage at right. Transfer the 6th and 7th sts at left and right of centre on to a length of WY. Push empty Ns to NWP. Set RC at 000. Using MY, K 20 rows. Using WY, K a few rows and release from machine.

RIGHT FRONT

With carriage at right and using MY, cast on 46 (48, 50, 52, 54) sts in 2×2 rib at centre. Work as for back from * to *. Inc 1 st at right edge. ** 47 (49, 51, 53, 55) sts. Set RC at 000. Using MT, K 1 row. Counting from left edge, transfer sts 17, 18, 29, and 30 on to a length of WY. Push empty Ns to NWP. Cont in cable patt from chart over 10 Ns between Ns in NWP. K 19 rows.

Place Pocket Lining

Counting from left edge, transfer sts 11 to 36 inclusive on to a st holder. With P side of pocket lining facing, replace sts from last row on to empty Ns in WP. Cont in cable patt from chart over 10 Ns between Ns in NWP. K 50 (50, 54, 54, 58) rows. RC shows 70 (70, 74, 74, 78) and work measures 43 (43, 45, 45, 47) cm, 17 (17, 17¾, 17¾, 18½) in. Place marker at right edge. K 43 rows. K 1 row extra for left front.

Shape Neck

Cast off 5 sts at beg of next row. Dec 1 st at neck edge of every row until 38 (40, 42, 44, 46) sts rem, then on every foll alt row until 35 (37, 39, 41, 43) sts rem. K 6 rows. Pick up 2 sts tog from WY on pocket lining on to a latch tool, then pull 1 st through the other st and latch up to shoulder to form 1 'purl' st at each side of cable panel and place on to empty N. Push rem empty Ns to WP. Pick up a loop from below adjacent st and place on to empty N. Using WY, K a few rows in st st and release from machine **.

Shirt, *Empire*; Leggings, *Jeffrey Rogers*

58 ▶

pattern 8

◀ 56

LEFT FRONT

With carriage at right and using MY, cast on 46 (48, 50, 52, 54) sts in 2×2 rib at centre. Work as for back from * to *. Inc 1 st at left edge. Work as for right front from ** to **, reversing shapings by reading right for left and left for right and noting alteration in number of rows worked.

SLEEVES

With carriage at right and using MY, cast on 42 sts in 2×2 rib at centre. Work as for back from * to *. Set RC at 000. Using MT, shape sides by inc 1 st (3 sts in) at each end of every 4th row until there are 84 sts. K 2 rows. RC shows 86 and work measures 51 cm, 20 in. Cast off.

HOOD

Using MY, cast on 68 sts by hand. Set RC at 000. Using MT, dec 1 st at each end of every row until 56 sts rem. K 60 rows. RC shows 66. Using WY, K a few rows and release from machine.

POCKET TOPS

Push 26 Ns at centre to WP. Push the 6th and 7th Ns at left and right of centre to NWP. With P side facing, replace sts from st holder on to Ns in WP. Pick up 2 sts tog from WY on to a latch tool, then pull 1 st through the other st and latch up to form 1 'purl' st at each side of cable panel and place on to empty N. Push rem empty Ns to WP. Pick up a loop from below adjacent st and place on to empty N. Set machine for 2×2 rib. Transfer sts for 2×2 rib. Using MT−4/ MT−4, K 15 rows. Transfer sts for st st. Cast off with a latch tool.

TO JOIN RIGHT SHOULDER

Push 35 (37, 39, 41, 43) Ns to WP. With P side of right back shoulder facing, replace sts on to Ns. With K side of right front shoulder facing, replace sts on to same Ns. Unravel WY. Using MT+· and MY, K 1 row. Cast off with a latch tool.

TO JOIN LEFT SHOULDER

Work as for right shoulder reading left for right.

TO JOIN HOOD

Push 28 Ns to WP. With P side of hood facing, replace half of the sts on to Ns. Fold in half and with K side facing, replace rem 28 sts on to same Ns. Unravel WY. Using MT+· and MY, K 1 row. Cast off with a latch tool.

FRONT BORDER

With carriage at right and using MY, cast on 12 sts in 2×2 rib. K 3 tubular rows. Carriage is at right. Set machine for 2×2 rib knitting. Set RC at 000. Using MT−5/ MT−5, K 8 rows. * Make a buttonhole over centre 4 sts. K 24 rows. Rep from * 5 times more. Make another buttonhole over same sts as before. K until long enough to go along right front edge, front of hood and along left front edge when slightly stretched. Cast off.

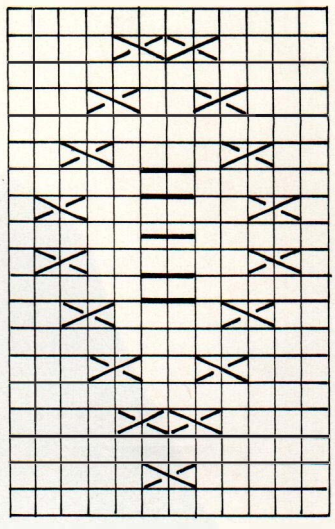
PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on ball band.

MAKING UP

Set in sleeves between markers. Join side and sleeve seams. Sew cast on edge of hood to neck edge. Catch down ends of pocket tops neatly to right side and pocket linings lightly to wrong side. Sew front border into position. Finish buttonholes and sew on toggles. Embroider centre of diamonds as shown on chart.

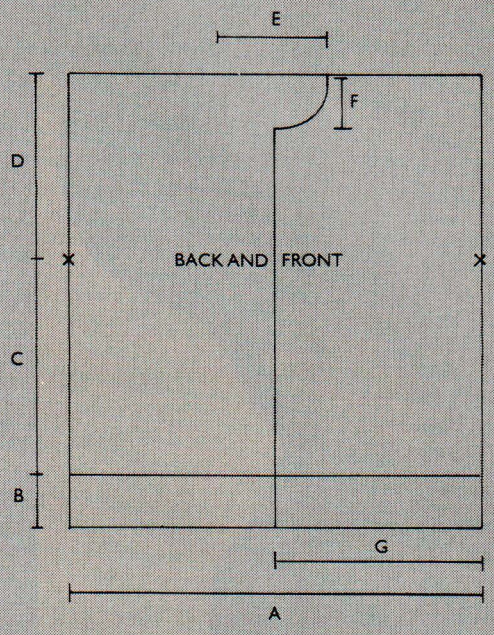
CABLE CHART

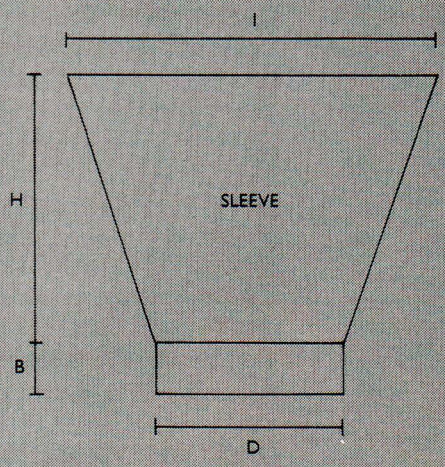


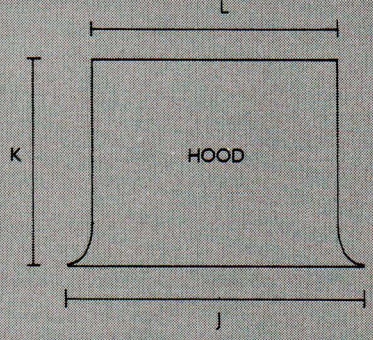
= *Cross st at left behind st at right*

= *Cross st at right behind st at left*

= *Embroider*







A = 67 (70, 72.5, 75.5, 78.5) cm
B = 8 cm
C = 35 (35, 37, 37, 39) cm
D = 30 cm
E = 17 cm
F = 8.5 cm
G = 33.5 (35, 36, 37.5, 39) cm
H = 43 cm
I = 60 cm
J = 48.5 cm
K = 33 cm
L = 40 cm

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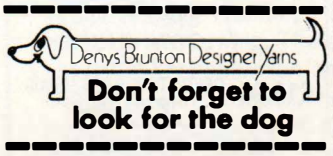

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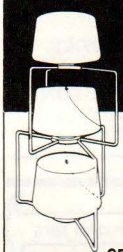

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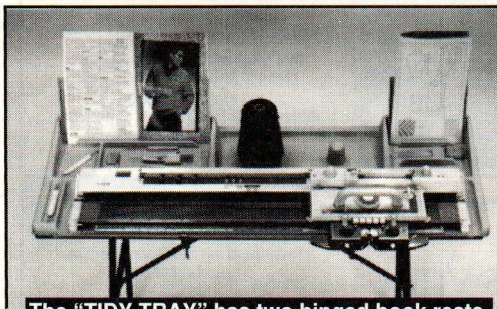

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KNITMASTER 360L with built-in radar, SRP60N ribber, lace carriage, intarsia carriage, many extras, v.g.c., £315 o.n.o. Tel: (0903) 724900 (Littlehampton).

PASSAP Duo 80, 4 colour changer, Deco, U80 Electra 2000 motor, stand, cards, punch, books etc., little used, £550 o.v.n.o. Can deliver. Tel: (0974) 298628 (Tregaron).

KNITMASTER 323 punchcard machine plus ribber, instructions, punchcards. Very good condition. New table, £220 or near offer the lot. Tel: (0708) 448021 (Upminster).

BROTHER 836 ribber, lace carriage, wool winder, pattern books and magazines, wool, punchcards, many extras, hardly used. Genuine reason for sale, v.g.c., £650 o.n.o. Tel: (0895) 255402 (Hillingdon).

KNITMASTER 321 plus SRP20 ribber table, intarsia carriage, £125; Knitmaster 250, £25: Knitmaster instant knitter, £5. Buyer to collect. Tel: (0604) 761261 (Northampton).

BROTHER KH881, KR850 ribber, built-in Knitleader, £425 or in cabinet, £475, all in excellent condition. Tel: (0452) 413814 (Gloucester).

FOR SALE

KNITMASTER Chunky 150 with ribber, punchcard, manuals and table. Good condition, £185 o.n.o. Tel: (0494) 881926 (High Wycombe).

SINGER Freestyle Electronic, built in ribber, patterns, wool winder, table, new, unwanted gift, £500 o.n.o. Tel: (0753) 653517 (Iver, Bucks).

KNITMASTER 700K with SRP50 ribber, linker, table and accessories, excellent condition, £400. Hague linker with stand, £100. Tel: (0742) 686467 (Sheffield).

ELECTRONIC Knitradar, £80 (suitable any machine, unused gift), LK150 (Option 4) plus Intarsia carriage, £130. Tel: (0532) 868635 (Garforth).

BOND classic with extension, bargain, £60. Tel: (0734) 415165 (Reading).

22 CONES sable crêpe, £80. Shetland industrial yarns worth £150 sell £80. Books suitable for City & Guilds students half price. Tel: 021-455 8269 (Birmingham).

TOYOTA 901 with ribber, lace, intarsia carriages, tilt table, unused colour changer, Knit Tracer, instructions, everything you need and more, as new, £480. Tel: (0375) 670870 (Corringham, Essex).

SINGER 2310, electronic motor, video, used twice, £400: Steam-it professional steamer, £100; KR7 radar, good condition Knitmaster, £65; Simpleframe 96, £30. Tel: (0623) 743018 (Mansfield).

BROTHER KH881 knitting machine with KR850 ribber, lace carriage, punchcards, built-in Knitleader, v.g.c. £350 o.n.o. Tel: (0606) 781636 (Northwich).

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Classifieds

FOR SALE

BROTHER 260 chunky, Knitleader, books, £250. Tel: (0384) 392896 (Stourbridge).

PASSAP Duo 80, four colour changer, electric motor, Deco U70, punchcards and instruction book. Any offer considered. As new. Tel: (080-428) 495 (Stoke Gabriel, Totnes).

PASSAP 6000E, video, pattern books, very good condition, 18 months old, genuine reason for sale. £1,000 o.n.o. Tel: (0803) 557530 (Paignton).

BROTHER 260 chunky, punchcard, ribber, intarsia, unused, guaranteed, absolute bargain, £500 o.n.o. Tel: (0742) 337542 (Sheffield).

KNITMASTER 155 Professional chunky machine, intarsia carriage and table, also ribber. Hardly used, space required, £500 o.n.o. Tel: (0373) 464767 (Frome).

MACHINE knitting books, bundles of 20, £5 per bundle. Tel: (0278) 423580 (Bridgwater).

BUNDLE hand knitting patterns, £5, big lot. Tel: (0278) 423580 (Bridgwater).

KNITMASTER SK550 electronic machine with pre-printed mylar sheets. Good condition, £350 o.n.o. Tel: (02357) 68145 (Grove, Oxon).

KNITMASTER ribber, Knitradar, lace carriage, YC6 colour changer, weaving arm, woolwinder, hole punch, intarsia carriage, cast off linker, books, £400 o.n.o. Will separate. Tel: (0530) 230620 (Leicester).

SINGER 2310 Memomatic, excellent condition. Knit computer instruction with tapes and books. Table and knitting wool included, £400. Tel: (0984) 56385 (Williton, Somerset).

SINGER 611 Electronic double bed, transfer carriage, accessories, video and table, £300. Tel: 081-668 7193 (Croydon).

HAGUE linker, excellent condition, £125 o.n.o. Tel: (0489) 893265 (near Southampton).

BROTHER punchcard knitting machine as new, £150; KHR850 ribber, £150; KHL116 Knitleader, boxed as new, £60. Tel: (0670) 789258 (Morpeth).

TOYOTA KS901. Good condition, Knitleader and intarsia carriage, instructions, punchcards, £225 o.n.o. Would separate. Buyer collects. Tel: (0892) 730254 (Tonbridge, Kent).

KNITMASTER 360 knitting machine with single action lace carriage, £195; 500 electronic knitting machine, £195. Both good condition. Updated to 560. Tel: (0254) 248623 (Blackburn).

BROTHER 950i Electronic cabinet, plus instructional video tape, manuals, pattern books, yarns, £550. Tel: (0706) 224560 (Nr. Manchester).

EMPIRAL Knitmaster 305 automatic complete with tools and table, £50 o.n.o. Tel: (0778) 423458 (Bourne).

BROTHER 950i Electronic, ribber, lace carriage, table, transfer carriage, linker, numerous books and patterns, £850; PPD110 and 120, £250. Sack of yarn. Tel:)0533) 386011 (Leicester).

PASSAP Duomatic 80, four colour changer, Deco, Forma, punch, manuals, £300. Tel: (0673) 878754 (Lincoln).

SINGER KE2600 punchcard knitting machine, lace carriage, £520 o.n.o.; Knitmaster SRP50, ribber attachments, £130. Tel: (0475) 28345 (Greenock).

KNITMASTER 370 fine gauge, charter, ribber, lace carriage, colour changer, cards, pattern book, punch, excellent condition, £395. Tel: (0295) 738227 (Oxfordshire).

KNITMASTER 700, hardly used, as new. Bargain £125. Tel: (0702) 520832 (Southend area).

FOR SALE

KNITMASTER 326/360 manuals, tools, punchcards, perfect condition, £125. Tel: (0621) 772261 (Maldon, Essex).

BROTHER KH260 chunky punchcard machine with ribber table, as new. £475. Tel: (0962) 882054 (Winchester).

KNITMASTER 150 chunky machine and ribber, £275 o.n.o., also Knitradar, £30. Tel: 091-536 2528 (East Boldon).

PASSAP 6000E, 4 colour changer, video and pattern books, hardly used, £950; Brother 910 electronic, lace carriage, mylar sheets, instruction books, £350. Tel: (0302) 834305 (Doncaster).

KNITMASTER LC2 lace carriage, hardly used, £95. Tel: (0440) 704252 (Haverhill, Suffolk).

PASSAP Duo 80, four colour changer, Deco, M75B electra motor with countdown and yarn break stop motion. Excellent condition, £699. Now have 6000E. Tel: (0698) 887699 (Lanarkshire).

KNITMASTER 580 electronic ribber, lace carriage, radar, intarsia carriage, PE1, RT1 linker, colour changer, RJ1 4-way mast, bargain, £800. Tel: (0373) 464767 (Frome).

KNITMASTER 360KL, ribber, lace carriage, rib transfer carriage, linker, colour changer, intarsia carriage, punchcards, instruction books. Good condition, £350. Tel: (0992) 39672 (Cheshunt, Herts).

TOYOTA 950 with table, tracer, garter bar, intarsia carriage, wool winder, rachet and pop punch. Hardly used, £285 o.n.o. Tel: (0268) 419949 (Basildon).

BOND original with table, intarsia keyplate, extension, yarn grabbers, also 4 binders of magazines and patterns, £50 or swap for Brother single bed colour changer. Tel: (0506) 880861 (Nr. Livingston).

TOYOTA KS901 plus ribber, table, lace carriage, punchcards, very good condition. Tel: (0424) 220785 (Bexhill-on-Sea).

KNITMASTER 100 DK to 2 ply, £70; Toyota 747 12 stitch patterns, excellent condition, £150; Jones+Brother 836, as new, £200. Tel: (0423) 330531 (Harrogate).

BROTHER KH260 punchcard, £250; (Chunky) ribber, £200; Knitleader, £65, used once. Intarsia keyplate for Bond, £5. Tel: (0253) 763745 (Lancs).

BROTHER KH840 with ribber, Knitleader, table as new, £400; Brother 230 chunky plus ribber, £200; Hague Linker, £100; Cabinet, £150. Many accessories for sale. Tel: (0298) 814953 (Buxton).

BROTHER 950i with ribber, lace carriage, Knitleader, garter carriage and back support seat, manuals, wool, magazines, extras, all boxed, as new, £950. Tel: (0642) 560338 (Stockton, Cleveland).

BROTHER 710, Fair Isle, weaving, lace, intarsia. Ideal for beginner, £100 or nearest offer. Tel: (0252) 331455 (Aldershot).

BROTHER KH891 punchcard machine, built-in Knitleader, lace carriage, KH850 ribber, table, punch, wool winder. Will split, £500 v.g.c. Tel: (0708) 342809 (Romford).

KNITMASTER 580, SRP60N ribber, lace carriage, PE1 Design Master, cartridges, Knitradar, colour changer, linker, transfer carriage, £1,350 o.n.o. Tel: (0256) 470275 (Basingstoke).

BROTHER 260 chunky punchcard, ribber, intarsia carriage, unused, guaranteed, unwanted gift, absolute bargain, £500 o.n.o. Tel: (0742) 337542 (Sheffield).

SPARE parts for Singer Hi-memory KE1200 (Magic). Tel: (0742) 445067 (Sheffield).

PFAFF 6000 Electronic knitting machine, four colour changer, good condition, with vinyl covers, £900. Tel: (0332) 40092 (Derby).

PASSAP Duomatic 80 (green) with Deco and four colour changer, £350 o.n.o. Tel: 021-789 6451 (Birmingham).

FOR SALE

KNITMASTER 360 with lace carriage, linker, ribber, punch, wool winder, magazines, wool, Keyto cabinet with bench, £400 o.n.o. Tel: 021-789 6451 (Birmingham).

BROTHER 950i Electronic plus garter carriage, £890; unused PPD, many extras, £200. Tel: (0203) 473205 (Coventry).

KNITMASTER 360KL built-in Knitradar plus lace carriage and ribber, tuition tapes, v.g.c. £345. Tel: (0477) 37286 (Holmes Chapel).

KNITMASTER Zippy Plus, ribber, SRP60N, Knitradar KR7, lace carriage Mod LC2, all as new. Reason for sale, health, £399 the lot. Tel: (0405) 860789 (Carlton, Goole).

BOOKS: Technique of Slipstitch, Denise Musk, £10; Pattern on the Knitting Machine, Ruth Lee, £10. Others on application, all as new. Ex C&G student. Tel: (0562) 753468 (Kidderminster).

BROTHER 836 £165; ribber KH850, £165; Knitleader, £50; table, £10. All boxed and as new. Tel: (0935) 872339 (Sherborne).

KNITMASTER Electronic 580, PE1 design controller, ribber, linker, transfer carriage, intarsia carriage and patterns, £600. Will separate; Form computer, £75; Passap Forma, £20. Tel: (0302) 340426 (Doncaster).

PASSAP (Pink) for effortless ribs and textures, v.g.c., stand, all manuals. £90. Jones+Brother 230 (Chunky) with ribber, rarely used, excellent condition, splitable, £300. Tel: (0785) 211378 (Stafford).

POWERKNIT motor for Brother and Knitmaster machines, metal stand and countdown, £250; Passap Form computer, £75; Passap punch, £15; Passap punchcard roll, £5. Tel: (0273) 604176 (Brighton).

KNITMASTER 360L with built-in radar, SRP60N ribber, lace carriage, intarsia carriage, many extras, v.g.c., local tuition given, £315 o.n.o. Tel: (0903) 724900 (Littlehampton).

BROTHER KH900 Electronic machine, excellent condition (ten months old), lace carriage, teaching video, £345. Tel: 081-423 4764 (Greenford).

KNITMASTER Model 150 chunky, pattern selector, tools, instruction book, tuition if required, £95. Tel: (0795) 476624 (Sittingbourne).

KNITMASTER YC6 colour changer, never used, boxed, bargain, £95; Knitmaster Electronic 500, Knitradar built-in, tools, instructions, only £125. Tel: (0495) 291551 (Gwent).

TOYOTA 901 lace carriage, punchcards, Knit Tracer, excellent condition, £200, including expert two hours of tuition. Tel: 081-994 5033 (London).

KNITMASTER Silver Reed 155 chunky machine, £250; chunky ribber, Knit Power 90 motor, £550, never used. Phone after 7.30 p.m. Tel: (0252) 710484 (Farnham).

KNITMASTER 700KL, SRP50 ribber, lace carriage, table, instruction books, tools, hardly used, £450. Tel: 051-228 1165 (Liverpool).

BROTHER 891 knitting machine, lace carriage, punchcards and built-in Knitleader, v.g.c., £225; double bed colour changer as new, £50; Hague Linker as new, £100. Tel: (0204) 304785 after 6 p.m. (Bolton, Lancs).

KNITMASTER 360KL lace carriage, RT carriage, linker, intarsia carriage, spare yarn mast, instruction books, many punchcards, many books. Gone electric, £450. Tel: 081-527 1684 (London).

POWER Knit, seldom used, good condition, £300, complete with steel table, transfer carriage for Brother, £35. Tel: (0837) 53102 (Okehampton).

FOR SALE

KNITMASTER 321 specially adapted for single motif, with magic cam, table, instruction manual and many extras. Excellent condition, £120 o.n.o. Tel: 081-941 5204 (Hampton).

BROTHER 950, excellent condition, £450 or nearest offer. Tel: (0272) 603226 (Bristol).

BROTHER 950i, two years old, £600; KR850 ribber, £150; Diane Bennett books, pattern books etc. Tel: 081-979 4006 (Hampton).

KNITMASTER 700KL, SRP60 ribber, lace carriage, Knitradar, punch, punchcards, instruction books, table, £325. Tel: (0702) 464756 (Southend).

BROTHER 940 Electronic, £650; Brother 850 Ribber, £175; both £725 o.n.o.; Knitmaster 120 basic chunky and ribber, £150. 8 way tension mast, £25. Tel: (0461) 38183 (Gretna).

DEFENDI Electric linker, as new, £175 o.n.o. Tel: (0752) 851891 (Landrake, Cornwall).

BROTHER 836 in made to measure cabinet, hardly used, £300. Tel: (0705) 644763 (Portsmouth).

PASSAP 6000 Electronic, four colour changer, U100E, intarsia carriage, Hague linker, 50+ cones wool, pattern books, £950. Tel: (0303) 872714 (Kent).

TOYOTA K9 lace carriage for 901S with extension rails, £35; tilting stand, £10; punchcard, punch, £5, plus postage at cost. All boxed, as new. Tel: 091-236 2587 (Newcastle).

BROTHER KH910 Electronic plus KR850 ribber, double bed colour changer, table, intarsia carriage, £550. Will separate. Tel: (0827) 284969 (Tamworth).

SWAP

SWAP my garter bar (standard gauge) unused for a BSK 4-way yarn mast or would be willing to buy. Tel: (0582) 873267 (Dunstable).

BROTHER KH891, ribber, Knitleader, intarsia carriage, transfer carriage, lace carriage. Swap for Brother KH260 chunky with ribber. Good clean condition, one careful owner. Tel: (0434) 220757 (Northumberland).

SILVER Reed 560 Electronic swap for KH260 or Sell. Wanted: Intarsia yarn brake. Tel: (0753) 884155 (Gerrards Cross, Bucks).

WANTED

KNITMASTER 302 knitting machine with ribber, instruction book, cards etc. Also instruction book for Swiftomatic double bed machine. Tel: (0386) 554796 (Pershore).

WANTED by Turkish lady in Turkey. Mast and tension wires for Brother 588 (in order to knit for a living). Please call. Tel: (0939) 290693 (Shrewsbury).

MODERN Machine Knitting books 1986/1987. Tel: (0745) 338450 (Rhyl).

YARN grabbers for Bond machine. Tel: (0291) 422764 (Gwent).

KNITMASTER/Silver SK840 with or without accessories and power drive for Singer. Tel: (0482) 794352 (Hull).

PASSAP International Model books 1-9 incl. 23-26 incl, 28, 29, 31-33 incl, 35-36, 40. Tel: (0469) 60668 (Lincs).

SINGER 2500 or 2600 Memomatic knitting machine plus ribber if possible or Knitmaster punchcard knitting machine, preferably with ribber. Please phone with details. Tel: (0900) 604759 (Cumbria).

KNITMASTER 321 Automatic manual. Tel: 071-272 3219 (North London).

MOCK RIB *Used for welts, cuffs, neckbands and other edges on single bed machines without a ribber*

ABBREVIATIONS

Push the number of main bed needles given in pattern to working position. Push every alternate needle back to non working position for a 1 × 1 rib or every third needle back to non working position for a 2 × 1 rib. It may be necessary to reduce this number by one needle at one or both edges to keep rib even. (Increase the stitches after the mock rib has been worked to give the same number as the pattern).

Using main tension and waste yarn, cast on and knit a few rows ending with carriage at left. Set row counter at 000. Using at least two full sizes tighter than main tension, knit the number of rows given in pattern for rib. Using three full sizes looser than this tension, knit one row. (This loose row gives a neat fold line). Return to two full sizes tighter than main tension and knit the same number of rows as before. Push empty needles from non working to working position and make a hem by placing loops of first row worked in main yarn evenly along the row. Make sure that each empty needle holds a loop to prevent a row of holes across the work.

Unravel waste yarn after work has been removed from machine. After garment has been blocked to size, insert a metal welt bar or a thin, clean piece of wood through the hem and pull firmly downwards to draw stitches of mock rib closer together. Set the stitches by steaming lightly on wrong side, if pressing instructions permit.

alt = alternate(ly)
beg = beginning
ch = chain
cm = centimetres
cont = continue(ing)
dc = double crochet
dec = decrease(ing)
foll = following
g = grams
HP = holding position
in = inch(es)
inc = increase(ing)
K = knit
mm = millimetres
MC = main colour
MT = main tension
MT−1, MT−2, MT−3 = one, two, three full sizes tighter than main tension
MT+1, MT+2, MT+3 = one, two, three full sizes looser than main tension
MY = main yarn
N(s) = needle(s)
NWP = non working position
P = purl
patt = pattern
RC = row counter
rem = remain(ing)
rep = repeat
ss = stitch size
st(s) = stitch(es)
st st = stocking stitch
tog = together
UWP = upper working position
WP = working position
WY = waste yarn.

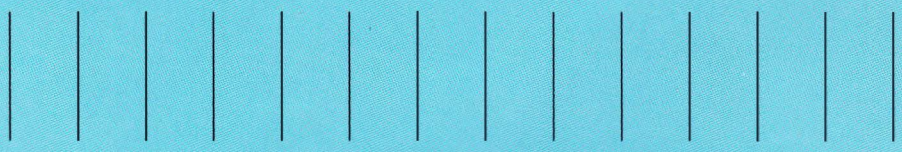
WHAT GAUGE IS MY MACHINE?

Many of you have written to Modern Knitting asking us to explain more clearly about the gauges of different knitting machine.

As you know, we tend to state which gauge of knitting machine each pattern is suitable for rather than which model of machine. These days there are so many different makes and model of machine around that it is almost impossible to list which machines will do what. So we decided to plump for telling you which gauge.

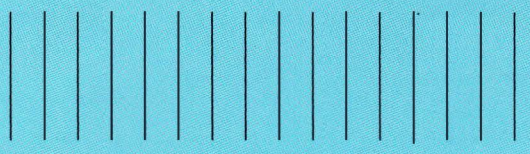
However, not everyone knows which gauge of mchine they own. To make it easier for you, we have printed below a series of charts to illustrate the different gauges of mchine we cater for. To find out which gauge your machine is, simply slip the charts under the needles until you find one where the needles on your machine coincide with the lines on the chart. If your machine doesn't match any of the charts, pick the one closest to it but expect to be disappointed occasionally because you won't always be able to achieve the correct tension.

9mm Chunky

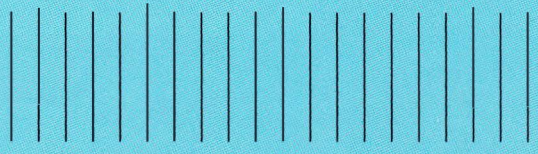


8mm Chunky

Standard Gauge
4.5mm



Fine Gauge
3.6mm



Ribs

You will find that most patterns in Modern Machine Knitting state the need for a ribbing attachment at the beginning of the pattern. However, if you look at the designs, you will find that very often the ribbing attachment is necessary only for knitting welts, cuffs, bands etc. In these cases, if you don't have a ribber you should knit a mock rib or use the latch tool method for making your ribs.

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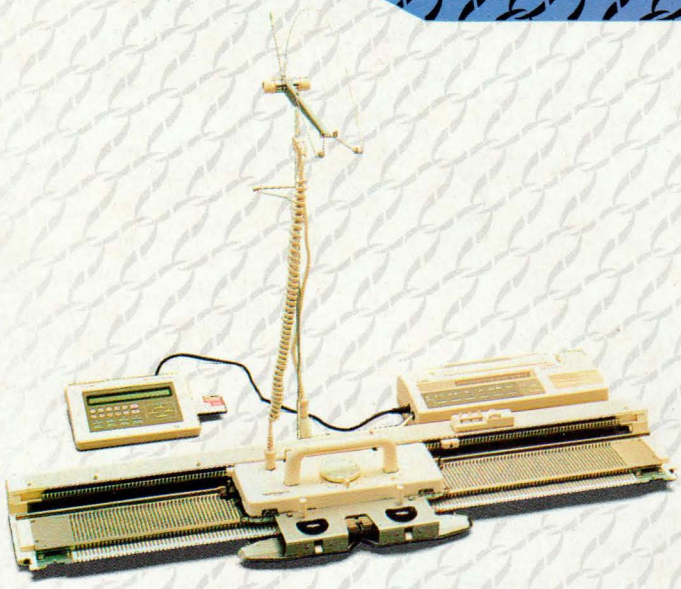
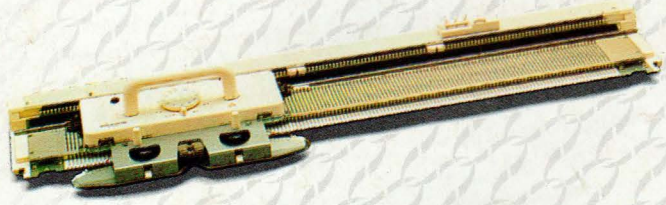
A SYSTEM FROM SILVER

And our low prices add up to a golden opportunity to boost dramatically both the speed and variety of your knitting projects.



SK 890 *Chunky gauge*
Knits Mohair, Aran, Chunky



SK 860 *Double Knitting gauge*
Knits 4 ply, DK, Aran, Mohair

SK 840 *Standard gauge*
Knits 2 ply, 3 ply, 4 ply

SK 830 *Fine gauge*
Knits 1 ply, 2 ply, 3 ply

The Silver Modular Electronic Knitting System is based on four easy-to-change and whisper-quiet beds of the highest quality. So you'll be able to set just the right gauge and tension for any yarn - and each gives you a wide range of stitch options at the touch of a single lever. Attachments permit even greater stitch and pattern variety. And as the beds and attachments are each sold separately, you buy only as you need to.

The Silver EC1 Pattern Controller gives you great flexibility.

Just one is needed for all four beds. Use any of the 50 pre-printed designs - or draw your own on easy-to-use pattern cards. Cards and books from previous models are also compatible. Additionally, you can vary your patterns at the touch of a button: from doubling the height to changing single bed patterns into Double Jacquard designs and more.
And the second Stitch Width Indicator lets you select any part of a pattern to create extra designs - with no programming required.

Silver EC1 *Pattern Controller*

Silver PE1 *Design Controller*

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